



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

Job title or position sought	Project Manager / Head of Mission
Expert's Name	Walid BENCHAAABANE
Nationality	Tunisian
Country of residence	Tunisia

Education/Diplomas:

Establishment	Private Mediterranean Business School - Tunis, Tunisia
Period	2012-2014
University Title(s) and Degree(s), Diploma(s), Year of Graduation	Professional Master's Degree in Business Administration (MBA), 2014

Establishment	School of Economics of the University of Auvergne - Clermont Ferrand, France
Period	2013-2014
University Title(s) and Degree(s), Diploma(s), Year of Graduation	Master's Degree in 'Law, Economics, Management with a professional focus, with a specialization in Economic Analysis and International Development, specialising in Public and Private Project Management' (Master M1), 2014

Establishment	National School of Engineering of Tunis, Tunisia
Period	2008-2013
University Title(s) and Degree(s), Diploma(s), Year of Graduation	Professional Master's Degree in 'Alternative Water Sources' (Master M1), 2013

Establishment	National Engineering School of Sfax, Tunisia
Period	1996-1999
University Title(s) and Degree(s), Diploma(s), Year of Graduation	National Diploma of Engineering in 'Georesources and Environment, option Environment and Planning' (Bac+5), 1999

Jobs held:

Country	Cameroon
Employer's name and address	STUDI INTERNATIONAL 28, Island of Zembretta street, Les Jardins du Lac, Lac II – 1053 - Tunis, Tunisia / Website: www.studi.com.tn
Contact information for references	Mr. Sami DALLEL Tel: (+216) 70 021 000 – Fax: (+216) 70 021 010 / E-mail: studi@studi.com.tn
Professional Title / Position Held	Head of Mission
Period	July 2023 – June 2025
Summary of activities carried out in relation to this mission	The manager of the proper implementation of the activities relating to the operation of the works contract, the examination of compliance with the project and the approval of the programming plans drawn up by the contractor awarded the works contract, the management of the execution of the works contracts and operating works, the scheduling, management, coordination of the sites, assistance during the acceptance operations and updating of the operating documents.

Country	Ivory Coast
Employer's name and address	CONCEPT AFRICA Residence 'Les Belles Fleurs', Les Deux Plateaux-Vallon, Cocody, Abidjan, Ivory Coast / Website: www.concept.com.tn
Contact information for references	Mr. Imed Eddine NOURI Tel: (+216) 70 029 920 – Fax: (+216) 71 905 262 / E-mail: contact@concept.com.tn
Professional Title / Position Held	Co-Manager / Project Director
Period	July 2022 - April 2023



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Summary of activities carried out in relation to this mission	General manager of the company in charge of managing the technical, financial, administrative, commercial and managerial aspects of the company as well as supervising all its activities throughout the West African sub-region.
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Country	Tunisia
Employer's name and address	National Sanitation Utility 32, Hedi Nouira street - 1001 – Tunis, Tunisia / Website: www.onas.nat.tn
Contact information for references	Mr. Ilyes MILI Tel: (+216) 71 247 078 – Fax: (+216) 71 350 411 / E-mail: boc@onas.nat.tn
Professional Title / Position Held	Project Manager
Period	December 2021 – June 2022
Summary of activities carried out in relation to this mission	Head of division in charge of the study of major projects, the preparation of consultation files and tender documents, the analysis of tenders, the approval of execution files, the management of contracts, the management of major projects, the control and monitoring of works, etc.

Country	Tunisia
Employer's name and address	National Sanitation Utility 32, Hedi Nouira street - 1001 – Tunis, Tunisia / Website: www.onas.nat.tn
Contact information for references	Mr. Mohamed ABID Tel: (+216) 71 346 100 – Fax: (+216) 71 350 411 / E-mail: boc@onas.nat.tn
Professional Title / Position Held	Head of Ben Arous District
Period	July 2019 - November 2021
Summary of activities carried out in relation to this mission	Head of division responsible for the planning and implementation of programmes of cleaning, servicing and maintenance works, connection, rehabilitation and extension of sewerage and wastewater treatment networks, structures and equipment, as well as monitoring the provision of connection services and the application of the sewerage charge and all other services, etc.

Country	Tunisia
Employer's name and address	National Sanitation Utility 32, Hedi Nouira street - 1001 – Tunis, Tunisia / Website: www.onas.nat.tn
Contact information for references	Mr. Mohamed ABID Tel: (+216) 71 346 100 – Fax: (+216) 71 350 411 / E-mail: boc@onas.nat.tn
Professional Title / Position Held	Head of Ariana District
Period	July 2016 – June 2019
Summary of activities carried out in relation to this mission	Head of division responsible for the planning and implementation of programmes of cleaning, servicing and maintenance works, connection, rehabilitation and extension of sewerage and wastewater treatment networks, structures and equipment, as well as monitoring the provision of connection services and the application of the sewerage charge and all other services, etc.

Country	Tunisia
Employer's name and address	National Sanitation Utility 32, Hedi Nouira street - 1001 – Tunis, Tunisia / Website: www.onas.nat.tn
Contact information for references	Mr. Kamel FADHEL Tel: (+216) 71 902 487 – Fax: (+216) 71 905 930 / E-mail: boc@onas.nat.tn
Professional Title / Position Held	Project Manager
Period	February 2001 – July 2016
Summary of activities carried out in relation to this mission	Head of division in charge of the study of projects, the preparation of consultation files and tender documents, the analysis of tenders, the approval of execution files, the management of contracts, the management of projects, the control and monitoring of works, technical assistance for the benefit of third parties, etc.

Country	Tunisia
Employer's name and address	STUDI INTERNATIONAL 28, Island of Zembretta street, Les Jardins du Lac, Lac II – 1053 - Tunis, Tunisia / Website: www.studi.com.tn
Contact information for references	Mr. Sami DALLEL Tel: (+216) 70 021 000 – Fax: (+216) 70 021 010 / E-mail: studi@studi.com.tn



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Professional Title / Position Held	Design Engineer
Period	May 2000 - January 2001
Summary of activities carried out in relation to this mission	Engineer in charge of the development of environmental engineering studies and hydraulic developments.

Country	Tunisia
Employer's name and address	Mutual Society of Agricultural Services Base "Essaada" P.O. Box 32 - Avenue 23 January 1952 - 5080 – Téboulba, Tunisia
Contact information for references	Mr. Hichem CHEBIL Tel: (+216) 73 479 004 - Fax: (+216) 73 492 204
Professional Title / Position Held	Junior Engineer
Period	August 1999 – March 2000
Summary of activities carried out in relation to this mission	Engineer in charge of the design, assembly and testing of rural hydraulic equipment.

Membership in professional associations and publications made:

Affiliation to the Council of the Order of Tunisian Engineers

Languages spoken:

	Read	Spoken	Written
French (Bilingual)	Excellent	Excellent	Excellent
Arabic (Native tongue)	Excellent	Excellent	Excellent
English (Fluent)	Excellent	Medium	Good

Proficiency with computer tools: MS Word, Excel, Power Point, MS Project, Internet, Placad, Lotus, AutoCAD 2D, COVADIS, EPANET, GPS-X, GIS etc.

Skills/Qualifications for the Mission:

Similar projects in the field of monitoring and control of construction works of wastewater treatment plants and pumping stations

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him
<ul style="list-style-type: none"> <input type="checkbox"/> Name of the project or mission: Mission for the control and supervision of the construction of a livestock processing plant (STBV) in the Ngombè district of Douala 5th. <input type="checkbox"/> Year: 2023-2025 <input type="checkbox"/> Location: Cameroon <input type="checkbox"/> Institution: STUDI International <input type="checkbox"/> Client/Client: Urban Community of Douala 'CUD' - Technical Liaison Unit 'UTL' - Inclusive and Resilient Cities Development Project 'PDVIR' <input type="checkbox"/> Project Manager/Consultant: STUDI International/STUDI Cameroun Group <input type="checkbox"/> Funding: World Bank Group (IDA) & Matching Funds <input type="checkbox"/> Key features of the project: <ul style="list-style-type: none"> ➢ Construction and equipping of the daily treatment plant = 720 m³/d. <input type="checkbox"/> Position: Head of Mission <input type="checkbox"/> Activities/Responsibilities: <ul style="list-style-type: none"> ✓ Management of the work control mission; ✓ Elaboration of the Project Management Plan (PMP); ✓ Implementation of procedures for exchanges, monitoring and control of works; ✓ Validation of the Business Quality Assurance Plan (QAP) and the implementation of the General Control Plan (CGP); ✓ Validation of the Environmental and Social Management Plan (ESMP) and the Health and Safety Plan (PHS); ✓ Control of Construction Site Facilities;



Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ✓ Control of basic topographic features;
- ✓ Coordination between stakeholders;
- ✓ Endorsement of the Execution Program;
- ✓ Validation of execution projects;
- ✓ Verification of construction equipment;
- ✓ Control of the surveys carried out by the Company;
- ✓ Control of geotechnical works;
- ✓ Supervision and control of construction works;
- ✓ Monitoring of the Environmental and Social Management Plan (ESMP) and the Health and Safety Plan (PHS);
- ✓ Establishment and transmission of Service Orders;
- ✓ Management of site meetings;
- ✓ Keeping a site diary;
- ✓ Supervision and control of the operating work during the warranty period;
- ✓ Verification of attachments and establishment of monthly counts;
- ✓ Assistance in the event of a dispute;
- ✓ Assistance in the formulation and conclusion of any amendments to the contract;
- ✓ Coordination between the various stakeholders;
- ✓ Construction site planning;
- ✓ Follow-up of companies;
- ✓ Acceptance of works;
- ✓ Approval of Completed Works Records (DOE);
- ✓ Updating of operating documents;
- ✓ Conduct of business during the warranty period;
- ✓ Closing of the mission;
- ✓ Preparation of the various reports of the work control mission.

- ❑ **Name of project or mission: Project for the rehabilitation and extension of the "Sud Méliane" wastewater treatment plant in the governorate of Ben Arous.**
- ❑ **Year: 2021-2022**
- ❑ **Location: Tunisia**
- ❑ **Institution: National Sanitation Utility**
- ❑ **Funding: AFD / EIB / EU**
- ❑ **Key features of the project:**
 - ❖ **Urban Queue:**
 - Average daily flow = 50,000 m³/d by 2031;
 - Peak design flow rate = 6,250 m³/h;
 - Pollutant load in BOD₅ = 17,600 kg/day;
 - Number of population equivalents = 530,000 p.e.;
 - Treatment Process: Medium-Load Activated Sludge with Sludge Digestion.
 - ❖ **Industrial Queue:**
 - Average daily flow = 40,000 m³/d by 2031;
 - Peak design flow rate = 5,000 m³/h;
 - Pollutant load in BOD₅ = 18,400 kg/day;
 - Number of population equivalents = 420,000 p.e.;
 - Treatment Process: Medium-Load Activated Sludge with Sludge Digestion.
 - Sludge treatment process: essentially consists of the following elements/steps:
 - Extraction of sludge from the primary settlers and its conveyance to the thickening stage;
 - Extraction of secondary sludge and its conveyance at the head of the biological stage (return sludge) as well as to the thickening stage (excess sludge);
 - Sludge thickening (static for primary sludge and mechanical for secondary sludge);
 - Fragmentation and grinding of thickened sludge into filaments;
 - Anaerobic digestion of sludge;
 - Storage of digested (stabilized) sludge before it is introduced into the dewatering system;
 - Mechanical dewatering of sludge;
 - Intermediate storage of dewatered sludge before transport to landfill sites.



Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

Position: Project Manager

Activities:

- ✓ Review, verification and approval of the technical execution file;
- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Coordination and organization of awareness-raising missions for target populations;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;
- ✓ Control, verification and validation of verification plans;
- ✓ Follow-up of the commissioning of structures and equipment.

Name of the project or mission: Sanitation project of the eleven cities of the Medjerdah - second phase – Sanitation of the city of Jedaida: civil engineering andelectromechanical equipment of the wastewater treatment plant and pumping stations.

Year: 2004-2007

Location: Tunisia

Institution: National Sanitation Utility

Funding: KFW

Key features of the project:

- ✚ Construction and equipping of the wastewater treatment plant , namely:
 - Average daily flow = 2,800 m³/d by 2020;
 - Pollutant load in_{BOD5} = 1.704 kg/d;
 - Number of population equivalents = 51,000 p.e.;
 - Treatment process: Low-load activated sludge with channel-shaped aeration basin;
 - Sludge treatment process: essentially consists of the following elements/steps:
 - Extraction of excess sludge;
 - Thickening of the mud;
 - Buffer storage of sludge;
 - Dewatering by filters/belt presses.
- ✚ Construction and equipment of six pumping/lifting stations, namely:
 - ◆ Lifting station 'SR0' (1+1) with a unit flow rate of 5 l/s and an HMT of 14 mce;
 - ◆ Pumping station 'SP1' (1+1) with a unit flow rate of 21 l/s and an HMT of 21 mce;
 - ◆ Pumping station 'SP2' (1+1) with a unit flow rate of 16 l/s and an HMT of 21 mce;
 - ◆ Pumping station 'SP3' (2+1) with a total flow rate of 65 l/s and an HMT of 11.2 mce;
 - ◆ Pumping station 'SP4' (1+1) with a unit flow rate of 11 l/s and an HMT of 23 mce;
 - ◆ Pumping station 'SP5' (2+1) with a total flow rate of 138 l/s and an HMT of 15 mce;

Position: Project Manager

Activities:

- ✓ Review, verification and approval of the technical execution file;
- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Coordination and organization of awareness-raising missions for target populations;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;



<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: Sanitation project for the eleven towns of the Medjerdah - second phase – Sanitation of the city of Tebourba: civil engineering andelectromechanical equipment for the wastewater treatment plant and pumping stations. ❑ Year: 2004-2007 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: KFW ❑ Key features of the project: <ul style="list-style-type: none"> ✚ Construction and equipping of the wastewater treatment plant , namely: <ul style="list-style-type: none"> • Average daily flow = 2,825 m³/d by 2020; • Pollutant load in BOD₅ = 1,825 kg/d; • Number of population equivalents = 51,000 p.e.; ➤ Treatment process: Low-load activated sludge with channel-shaped aeration basin; ➤ Sludge treatment process: essentially consists of the following elements/steps: <ul style="list-style-type: none"> • Extraction of excess sludge; • Thickening of the mud; • Buffer storage of sludge; • Dewatering by filters/belt presses. ✚ Construction and equipment of seven pumping/lifting stations, namely: <ul style="list-style-type: none"> ◆ Pumping station 'SP0' (1+1) with a unit flow rate of 5.5 l/s and an HMT of 15.5 mce; ◆ Pumping station 'SP1' (1+1) with a unit flow rate of 8 l/s and an HMT of 22.5 mce; ◆ Pumping station 'SP3' (1+1) with a unit flow rate of 22.5 l/s and an HMT of 12.5 mce; ◆ Lifting station 'SR4' (3+1) with a total flow rate of 95.7 l/s and an HMT of 5 mce; ◆ Lifting station 'SR5' (3+1) with a total flow rate of 82.5 l/s and an HMT of 4.5 mce; ◆ Pumping station 'SP7' (1+1) with a unit flow rate of 18 l/s and an HMT of 15 mce; ◆ Pumping station 'SP7 Novembre' (1+1) with a unit flow rate of 15.2 l/s and an HMT of 5.6 mce; ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the projectand the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of the project or mission: Sanitation project of the eleven cities of the Medjerdah - second phase – Sanitation of the city of Tetour: civil engineering andelectromechanical equipment of the wastewater treatment plant and pumping stations. ❑ Year: 2004-2007 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: KFW ❑ Key features of the project: <ul style="list-style-type: none"> ✚ Construction andequipping of the wastewater treatment plant , namely: <ul style="list-style-type: none"> • Average daily flow = 1,180 m³/d by 2020;



Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- Pollutant load in BOD₅ = 720 kg/d;
- Number of population equivalents = 18,874 p.e.;
- Treatment process: Low-load activated sludge with channel-shaped aeration basin;
- Sludge treatment process: essentially consists of the following elements/steps:
 - Extraction of excess sludge;
 - Thickening of the mud;
 - Buffer storage of sludge;
 - Dewatering by filters/belt presses.
- ✚ Construction and equipment of four pumping/lifting stations, namely:
 - ◆ Pumping station 'SP0' (1+1) with a unit flow rate of 5 l/s and an HMT of 16 mce;
 - ◆ Pumping station 'SP1' (1+1) with a unit flow rate of 8 l/s and an HMT of 22 mce;
 - ◆ Pumping station 'SP2' (2+1) with a total flow rate of 80.2 l/s and an HMT of 29.2 mce;
 - ◆ Pumping station 'SP3' (2+1) with a total flow rate of 84 l/s and an HMT of 28.5 mce.
- **Position: Project Manager**
- **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc. ;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans;
 - ✓ Follow-up of the commissioning of structures and equipment.

Other projects in the field of monitoring and control of the construction of pumping stations, hydraulic works and sewerage works

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- **Name of the project or mission: Project to carry out external connection works to the sewerage network of the El Bokri industrial zone in the governorate of Ariana:**
 - Supply and transport of discharge pipes;
 - Laying of pipes and civil engineering works for the two pumping stations;
 - Supply, transport, assembly and testing of electromechanical equipment for both SP1 and SP2 pumping stations.
- **Year: 2014-2015**
- **Location: Tunisia**
- **Institution: National Sanitation Utility**
- **Funding: State Budget**
- **Key features of the project:**
 - ✓ Supply, transport and installation of 3760 ml of DN 200 mm PN 10 HDPE discharge pipes;
 - ✓ Supply, transport and installation of 30 ml of DN 250 mm PVC gravity pipes;
 - ✓ Execution of the driving work with a 22 ml long DN 400 mm steel sheath;
 - ✓ Realization of 4 special works;
 - ✓ Construction of two pumping stations;
 - ✓ Equipment of the two pumping stations (2+1) with a total flow rate of 30 l/s and an HMT of 55 mce each;
 - ✓ Road repair work.
- **Position: Project Manager**
- **Activities:**



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<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of the project or mission: Project for the reinforcement and reorganization in the Tunis West area of the secondary wastewater treatment networks of the cities of El Frachich, El Madrassa and El Madrassa Extension in the delegation of Sidi H'sine Essijoumi: supply, transport and laying of pipes, civil engineering works and equipment of the "El Madrassa" pumping station. ❑ Year: 2009-2010 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: EIB ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 5400 ml of DN 250 and 315 mm PVC gravity pipes; ✓ Supply, transport and installation of 1200 ml of DN 200 mm HDPE discharge pipes; ✓ Construction of 240 manholes; ✓ Production of 800 connection boxes; ✓ Construction of a pumping station; ✓ Pumping station equipment (1+1) with a unit flow rate of 20 l/s and an HMT of 9 mce; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of the project or mission: Wastewater treatment project of the cities of Saïda and Erriadh to the delegation of Oued Ellil in the governorate of Manouba: civil engineering works and equipment. ❑ Year: 2008-2009 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: AFD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 11750 ml of DN 250 and 315 mm PVC gravity pipes;



Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ✓ Supply, transport and installation of 4850 ml of DN 250 mm PN 10 HDPE discharge pipes;
- ✓ Construction of 487 manholes;
- ✓ Crossing of a bridge by 80 ml long DN 273 mm galvanized steel pipe;
- ✓ Execution of the driving works with a 62 ml long DN 400 mm steel sheath;
- ✓ Construction of 6 special works;
- ✓ Creation of 1050 service boxes;
- ✓ Construction of a pumping station;
- ✓ Pumping station equipment (1+1) with a unit flow rate of 30 l/s and an HMT of 24.5 mce;
- ✓ Road repair work.

□ Position: Project Manager

□ Activities:

- ✓ Review, verification and approval of the technical execution file;
- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Coordination and organization of awareness-raising missions for target populations;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;
- ✓ Control, verification and validation of verification plans;
- ✓ Follow-up of the commissioning of structures and equipment.

□ Name of the project or mission: Project for the construction of industrial wastewater collection networks in the Chebedda area in the governorate of Ben Arous:

- **Civil engineering works;**
- **Equipment of two pumping stations.**

□ Year: 2007-2012

□ Location: Tunisia

□ Institution: National Sanitation Utility

□ Funding: State Budget

□ Key features of the project:

- ✓ Supply, transport and installation of 3510 ml of DN 250 and 315 mm PVC gravity pipes;
- ✓ Supply, transport and installation of 6048 ml of DN 200 and 250 mm PN 6 HDPE discharge pipes;
- ✓ Construction of 117 manholes;
- ✓ Execution of the driving works with a 138 ml long DN 400 mm steel sheath;
- ✓ Construction of 10 special works;
- ✓ Connection of 15 industrial units;
- ✓ Construction of two pumping stations (1+1) with unit flow rates of 20 and 30 l/s respectively and an HMT of 18 mce each;
- ✓ Equipment of the two pumping stations;
- ✓ Road repair work.

□ Position: Project Manager

□ Activities:

- ✓ Review, verification and approval of the technical execution file;
- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Coordination and organization of awareness-raising missions for target populations;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;



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<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of the project or mission: Wastewater sanitation project of the Bouzid, Bouali, El Koucha housing estates in Oued Ellil and Béjaoua, Izdihar, Allouche in Béjaoua in the governorate of Manouba: Supply, transport and installation of pipes and civil engineering works. ❑ Year: 2002-2004 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: IBRD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 15275 ml of DN 250 and 500 mm PVC gravity pipes; ✓ Supply, transport and installation of 3225 ml of HDPE discharge pipes DN 400 mm PN 10; ✓ Construction of 687 manholes; ✓ Execution of driving work with 107 ml long DN 400 and 500 mm steel sheaths; ✓ Realization of 2 special works; ✓ Execution of 7 canal crossing structures; ✓ Creation of 936 service boxes; ✓ Construction of a pumping station; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: Project to equip the pumping stations of Béjaoua, Echabeb and Chaouat in the governorate of Manouba. ❑ Year: 2004-2005 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: IBRD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Design, supply, transport, assembly and testing of electrical and electromechanical equipment for the Béjaoua pumping station (2+1) with a total flow rate of 100 l/s and an HMT of 41.2 MCE; ✓ Design, supply, transport, assembly and testing of the electrical and electromechanical equipment of the Echabeb pumping station (2+1) with a total flow rate of 100 l/s and an HMT of 16.2 mce; ✓ Design, supply, transport, assembly and testing of electrical and electromechanical equipment for the Chaouat pumping station (2+1) with a total flow rate of 60 l/s and an HMT of 33 MCE; ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed;



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Expert in urban hydraulics, fit-out and environment

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;
- ✓ Control, verification and validation of verification plans;
- ✓ Follow-up of the commissioning of structures and equipment.

❑ Name of project or mission: **Project for the transfer of raw wastewater from the Chougui rural center to the city of Tébourba in the governorate of Manouba: civil engineering and equipment lots.**

❑ Year: 2006-2007

❑ Location: Tunisia

❑ Institution: National Sanitation Utility

❑ Funding: AFD

❑ Key features of the project:

- ✓ Supply, transport and installation of 1100 ml of DN 250 mm PVC gravity pipes;
- ✓ Supply, transport and installation of 3695 ml of DN 160 mm PN 10 HDPE discharge pipes;
- ✓ Construction of 27 manholes;
- ✓ Construction of 15 special works;
- ✓ Construction of 48 connection boxes;
- ✓ Construction of a pumping station (1+1) with a unit flow rate of 8 l/s and an HMT of 20.4 MCE;
- ✓ Pumping station equipment;
- ✓ Road repair work.

❑ Position: Project Manager

❑ Activities:

- ✓ Review, verification and approval of the technical execution file;
- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Coordination and organization of awareness-raising missions for target populations;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;
- ✓ Control, verification and validation of verification plans;
- ✓ Follow-up of the commissioning of structures and equipment.

Other projects in the field of monitoring and control of construction works on sewerage networks and hydraulic works

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

❑ Name of the project or mission: **Project to carry out wastewater treatment works in the cities of Ardh Ennabli, El Amen, El Assil and the industrial zone in Boumhel – El Bassatine in the governorate of Ben Arous.**

❑ Year: 2014-2015

❑ Location: Tunisia

❑ Institution: National Sanitation Utility



<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> <input type="checkbox"/> Funding: State Budget <input type="checkbox"/> Key features of the project: <ul style="list-style-type: none"> ✓ Transport and installation of 3320 ml of DN 250 mm PVC gravity pipes; ✓ Construction of 105 manholes; ✓ Construction of 248 connection boxes; ✓ Road repair work. <input type="checkbox"/> Position: Project Manager <input type="checkbox"/> Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> <input type="checkbox"/> Name of the project or mission: Project to carry out wastewater treatment works in the Ardh Ben Jaâfar and Mont-Blanc housing estates and the Rue Beyrouth area in Boumhel – El Bassatine in the governorate of Ben Arous. <input type="checkbox"/> Year: 2014-2015 <input type="checkbox"/> Location: Tunisia <input type="checkbox"/> Institution: National Sanitation Utility <input type="checkbox"/> Funding: AFD <input type="checkbox"/> Key features of the project: <ul style="list-style-type: none"> ✓ Transport and installation of 2890 ml of DN 250 mm PVC gravity pipes; ✓ Construction of 111 manholes; ✓ Construction of 311 service boxes; ✓ Road repair work. <input type="checkbox"/> Position: Project Manager <input type="checkbox"/> Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> <input type="checkbox"/> Name of the project or mission: Project to carry out the rehabilitation works of the wastewater treatment networks of the El Ghazala city area in Raoued in the governorate of Ariana: laying of pipes and civil engineering works. <input type="checkbox"/> Year: 2010-2012



Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ❑ **Location: Tunisia**
- ❑ **Institution: National Sanitation Utility**
- ❑ **Funding: AFD**
- ❑ **Key features of the project:**
 - ✓ Installation of 22000 ml of DN 250 and 315 mm PVC gravity pipes;
 - ✓ Construction of 800 manholes;
 - ✓ Creation of 2000 connection boxes;
 - ✓ Road repair work.
- ❑ **Position: Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans;
 - ✓ Follow-up of the commissioning of structures and equipment.

- ❑ **Name of project or mission: Project to carry out the rehabilitation works of the wastewater treatment networks of the Ibn Khaldoun city in the governorate of Tunis:**
 - **Supply and transport of pipes and cast iron parts;**
 - **Laying of pipes and civil engineering works.**
- ❑ **Year: 2010-2012**
- ❑ **Location: Tunisia**
- ❑ **Institution: National Sanitation Utility**
- ❑ **Funding: AFD**
- ❑ **Key features of the project:**
 - ✓ Installation of 20800 ml of PVC gravity pipes DN 250, 315, 400 and 500 mm;
 - ✓ Construction of 700 manholes;
 - ✓ Production of 2500 connection boxes;
 - ✓ Road repair work.
- ❑ **Position: Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans;
 - ✓ Follow-up of the commissioning of structures and equipment.



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

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- ❑ **Name of the project or mission:** Project for the reinforcement and reorganization in the Tunis West area of the secondary wastewater treatment networks of the cities of El Feth, Berrhouma, Bettoumi, Ennour, El Oussaief and Othmen Ben M'barek in the delegation of Sidi H'sine Essijoumi - transport and laying of pipes.
- ❑ **Year:** 2010-2011
- ❑ **Location:** Tunisia
- ❑ **Institution:** National Sanitation Utility
- ❑ **Funding:** EIB
- ❑ **Key features of the project:**
 - ✓ Installation of 18800 ml of DN 250 and 315 mm PVC gravity pipes;
 - ✓ Construction of 805 manholes;
 - ✓ Construction of 2170 service boxes;
 - ✓ Road repair work.
- ❑ **Position:** Project Manager
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans;
 - ✓ Follow-up of the commissioning of structures and equipment.

- ❑ **Name of project or mission:** Project for the rehabilitation of wastewater treatment networks in the city of Oued Ellil and the "GP7" road in the governorate of Manouba: supply and transport of pipes and pipe laying works and civil engineering works.
- ❑ **Year:** 2010-2011
- ❑ **Location:** Tunisia
- ❑ **Institution:** National Sanitation Utility
- ❑ **Funding:** AFD
- ❑ **Key features of the project:**
 - ✓ Supply, transport and installation of 9550 ml of DN 250, 315, 400 and 500 mm PVC gravity pipes;
 - ✓ Construction of 366 manholes;
 - ✓ Production of 800 connection boxes;
 - ✓ Road repair work.
- ❑ **Position:** Project Manager
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;



<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Project or Mission Name: Project to Strengthen Primary Wastewater Networks in the Tunis West Area: <ul style="list-style-type: none"> ▪ Supply and transport of GRP pipes with diameters of 600, 800, 1000 and 1200 mm; ▪ Transport and laying of pipes for the 7 November, Ezzahrouni and West Exit collectors and civil engineering works for the pumping stations. ❑ Year: 2010-2013 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: EIB ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 2950 ml of DN 250, 315, 400 and 500 mm PVC gravity pipes; ✓ Supply, transport and installation of 9480 ml of GRP gravity pipes DN 600, 800, 1000 and 1200 mm; ✓ Execution of driving work by steel sheath of various diameters totalling 460 ml long; ✓ Realization of 3 special works; ✓ Construction of 434 manholes of different diameters; ✓ Creation of 500 connection boxes; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: El M'saadine area wastewater treatment project in Manouba governorate: supply, transport and laying of pipes. ❑ Year: 2010-2011 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: AFD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 3500 ml of DN 250 mm PVC gravity pipes; ✓ Construction of 105 manholes; ✓ Completion of 280 connections; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports;



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Project or Mission Name: Project to rehabilitate wastewater networks in downtown Manouba, Denden city and Douar Hicher city in Manouba governorate: <ul style="list-style-type: none"> ▪ Supply and transport of pipes; ▪ Pipe-laying and civil engineering works. ❑ Year: 2009-2010 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: AFD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 15500 ml of DN 250 and 315 mm PVC gravity pipes; ✓ Construction of 735 manholes; ✓ Execution of driving work with 55 ml long DN 400 and 500 mm steel sheaths; ✓ Creation of 1500 connection boxes; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: Project for the rehabilitation, extension and capacity building of sanitation networks in the governorate of Manouba – Framework Contract. ❑ Year: 2008-2010 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: State Budget ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Transport and installation of 1618 ml of DN 250, 315, 400 and 500 mm PVC gravity pipes; ✓ Construction of 29 manholes; ✓ Construction of 195 service boxes; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Verification of compliance and receipt of supplies;



<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: Ennasser City Wastewater Sanitation Project in the city of Mornaguia in the governorate of Manouba. ❑ Year: 2002-2003 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: AFD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Installation of 5305 ml of DN 250 mm PVC gravity pipes; ✓ Construction of 195 manholes; ✓ Execution of the driving work with a 22 ml long DN 400 mm steel sheath; ✓ Construction of 363 connection boxes; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Coordination and organization of awareness-raising missions for target populations; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans; ✓ Follow-up of the commissioning of structures and equipment.
<ul style="list-style-type: none"> ❑ Name of project or mission: Project for the rehabilitation and extension of sanitation networks in the governorates of Ariana and Manouba – Framework Market. ❑ Year: 2001-2003 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: State Budget ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Supply, transport and installation of 18130 ml of DN 250, 315, 400 and 500 mm PVC gravity pipes; ✓ Supply, transport and installation of 338 ml of 600 mm DN BA gravity pipes; ✓ Execution of driving work with 30 ml long DN 400 mm steel sheath; ✓ Construction of 746 manholes; ✓ Creation of 1378 connection boxes; ✓ Road repair work. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file;



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ✓ Validation of the organization of the project and the means/resources deployed;
- ✓ Verification of compliance and receipt of supplies;
- ✓ Control, supervision and verification of the conformity of the works;
- ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
- ✓ Establishment of schedules and activity reports;
- ✓ Follow-up of environmental, safety, hygiene, etc.;
- ✓ Establishment, verification and validation of contradictory attachments and counts;
- ✓ Signalling of monthly statuses and work progress indicators;
- ✓ Preparation of Minutes;
- ✓ Provisional and final acceptance of the works;
- ✓ Control, verification and validation of verification plans;
- ✓ Follow-up of the commissioning of structures and equipment.

- ❑ **Name of project or mission:** **Taïeb M'hiri city wastewater treatment project in the city of Mornaguia in the governorate of Manouba.**
- ❑ **Year:** **2001-2002**
- ❑ **Location:** **Tunisia**
- ❑ **Institution:** **National Sanitation Utility**
- ❑ **Funding:** **AFD**
- ❑ **Key features of the project:**
 - ✓ Installation of DN 250 and 315 mm PVC gravity pipes;
 - ✓ Construction of manholes;
 - ✓ Creation of connection boxes;
 - ✓ Road repair work.
- ❑ **Position:** **Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Coordination and organization of awareness-raising missions for target populations;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans;
 - ✓ Follow-up of the commissioning of structures and equipment.

Other projects in the field of monitoring and control of construction works of retention basins, hydraulic structures and rainwater sewerage networks

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ❑ **Name of project or mission:** **Project to carry out the rehabilitation works of the stormwater shaving basin in the city of Ettadhamen and the development of the Abderrahmen Mami canal in the governorate of Ariana.**
- ❑ **Year:** **2006-2007**
- ❑ **Location:** **Tunisia**
- ❑ **Institution:** **National Sanitation Utility**
- ❑ **Funding:** **AFD**
- ❑ **Key features of the project:**
 - ✓ Construction of a 3.0 m long overflow;



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Construction of an earthen dike; ✓ Construction of a sanitary building; ✓ Stabilization of the embankments and banks of the basin with concrete blocks; ✓ Construction of a 750 ml long wire fence; ✓ Construction of a 120 ml long masonry fence. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans.
<ul style="list-style-type: none"> ❑ Name of project or mission: Project to carry out development works in the areas of the mouths of the Wadi Meliane with the sea in the governorate of Ben Arous. ❑ Year: 2007-2008 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: IDB ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Development work on the banks and embankments of the wadi. ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Review, verification and approval of the technical execution file; ✓ Validation of the organization of the project and the means/resources deployed; ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Establishment of schedules and activity reports; ✓ Follow-up of environmental, safety, hygiene, etc.; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans.
<ul style="list-style-type: none"> ❑ Name of project or mission: Project to strengthen the capacity of the shaving basin at the Cité Ennasser in the city of Ariana. ❑ Year: 2005-2006 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Funding: AFD ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Excavation work of 50,000^{m3} (excavated earthworks); ✓ Construction of a 3,000^{m3} earthen (earthworks in embankment); ✓ Lining of the with geo-membrane and protective masonry over an area of 2,000^{m2}; ✓ Laying of 116 ml of 1800 mm DN BA pipes; ✓ Construction of a footbridge; ✓ Construction of two overflow and restitution structures;



Walid BENCHAAABANE

Expert in urban hydraulics, fit-out and environment

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ✓ Construction of a 250 ml long wire fence.
- ❑ **Position: Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Validation of the organization of the project and the means/resources deployed;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project;
 - ✓ Establishment of schedules and activity reports;
 - ✓ Follow-up of environmental, safety, hygiene, etc.;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans.

Experience in the field of technical assistance for third parties for the piloting, monitoring and control of wastewater and rainwater sanitation works

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him

- ❑ **Name of project or mission: Project for the external connection to the public wastewater treatment network of the "Bourbii" industrial zone located in El M'hamdia in the governorate of Ben Arous.**
- ❑ **Year: 2014-2016**
- ❑ **Location: Tunisia**
- ❑ **Institution: National Sanitation Utility**
- ❑ **Funding: Private Developer**
- ❑ **Key features of the project:**
 - ✓ Installation of 5440 ml of DN 500 mm HDPE pipes;
 - ✓ Installation of 3400 ml of DN 630 PVC and DN 800 mm RC pipes.
- ❑ **Position: Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;
 - ✓ Verification of compliance and receipt of supplies;
 - ✓ Control, supervision and verification of the conformity of the works;
 - ✓ Establishment, verification and validation of contradictory attachments and counts;
 - ✓ Signalling of monthly statuses and work progress indicators;
 - ✓ Preparation of Minutes;
 - ✓ Provisional and final acceptance of the works;
 - ✓ Control, verification and validation of verification plans.

- ❑ **Name of the project or mission: Project to carry out the execution works of the wastewater and rainwater networks and hydraulic structures subject to the project of North-South Structuring Link, Lateral Road of the "Cit  les Pins" Subdivision and Roads and Miscellaneous Networks of the "Espace des Affaires" Subdivision in the Lac-Nord region of Tunis.**
- ❑ **Year: 2010-2012**
- ❑ **Location: Tunisia**
- ❑ **Institution: Tunisian-Libyan Arab Research Office**
- ❑ **Funding: Private Developer**
- ❑ **Key features of the project:**
 - ✓ Civil engineering works and equipment for a pumping station and installation of wastewater and rainwater sewerage networks.
- ❑ **Position: Project Manager**
- ❑ **Activities:**
 - ✓ Review, verification and approval of the technical execution file;



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<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p> <ul style="list-style-type: none"> ✓ Verification of compliance and receipt of supplies; ✓ Control, supervision and verification of the conformity of the works; ✓ Establishment, verification and validation of contradictory attachments and counts; ✓ Signalling of monthly statuses and work progress indicators; ✓ Preparation of Minutes; ✓ Provisional and final acceptance of the works; ✓ Control, verification and validation of verification plans.
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Experience in the field of water management, sanitation and environmental studies and procurement

<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p>	
<ul style="list-style-type: none"> ❑ Period: 2001-2003 ❑ Location: Tunisia ❑ Institution: National Sanitation Utility ❑ Position: Project Manager ❑ Activities: <ul style="list-style-type: none"> ✓ Collection of basic data, topographic surveys and geotechnical elements; ✓ Socio-economic survey and site reconnaissance; ✓ Identification, proposal and choice of sites likely to house the planned infrastructures; ✓ Diagnosis of existing networks and structures; ✓ Study of technical and economic variants; ✓ Choice of criteria, multi-criteria analysis and prioritization design; ✓ Development of the chosen variant; ✓ Dimensioning of networks and structures; ✓ Evaluation of investment costs; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Preparation of reports and minutes; ✓ Elaboration of Terms of Reference (ToR) for ESIA; ✓ Preparation and launch of Tender Documents (RFPs); ✓ Examination of tenders and evaluation of technical and financial offers; ✓ Procurement. 	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study for the execution of the rehabilitation and extension of sanitation networks in the governorate of Manouba – Framework Contract.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study for the execution of the rehabilitation and extension of the sanitation networks in the governorate of Ariana – Framework Contract.
<ul style="list-style-type: none"> ❑ Timeframe: 2000-2001 ❑ Location: Tunisia, Mauritania and Senegal ❑ Institution: "STUDI" Group Consulting Engineers ❑ Position: Design Engineer ❑ Activities: <ul style="list-style-type: none"> ✓ Review, adjustment and adaptation of design studies, ✓ Elaboration of the methodological approach; ✓ Review and critical analysis of existing studies; ✓ Assessment of the existing situation; ✓ Elaboration of technical and design studies; ✓ Establishment of Terms of Reference (ToR); ✓ Preparation of Environmental and Social Impact Assessments (ESIAs); ✓ Elaboration of Preliminary Design Studies (APS) 	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study of the execution of the rehabilitation works of the sewerage network of the Ariana Superior.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study of the equipment of the two pumping stations at the city of El Mourouj in the city of Kalâat El Andalous in the governorate of Ariana.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study of the execution of the sanitation works of the cities of Zouyadia in Soukra and Mahmoud El Matri in Douar Hicher in the governorate of Ariana.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Remediation study of a Maritime Hydraulics laboratory in Tunis.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study of the hydraulic developments of the New Fishing Port of La Goulette in Tunis.
	<ul style="list-style-type: none"> ❑ Name of the project or mission: Technical study for the rehabilitation of the Central Market of Tunis.
	<ul style="list-style-type: none"> ❑ Project or Mission Name: Detailed design study for the rural drinking water supply project in Tunisia.



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Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him	
<ul style="list-style-type: none"> ✓ and Detailed Design Studies (DPA); ✓ Preparation of Tender Documents (RFPs). ✓ Collection of basic data, topographic surveys and geotechnical elements; ✓ Socio-economic survey and site reconnaissance; ✓ Identification, proposal and choice of sites likely to house the planned infrastructures; ✓ Diagnosis of existing networks and structures; ✓ Study of technical and economic variants; ✓ Choice of criteria, multi-criteria analysis and prioritization design; ✓ Development of the chosen variant; ✓ Dimensioning of networks and structures; ✓ Evaluation of investment costs; ✓ Organization, conduct and facilitation of meetings with the various stakeholders on the project; ✓ Preparation of reports and minutes; ✓ Elaboration of Terms of Reference (ToR) for ESIA; ✓ Preparation and launch of Tender Documents. 	<input type="checkbox"/> Name of the project or mission: Hydrogeological and hydraulic study of the new airport in the Centre-East of Tunisia.
	<input type="checkbox"/> Name of project or mission: Environmental impact assessment of the sanitation project in the city of Nouakchott in Mauritania.
	<input type="checkbox"/> Name of the project or mission: Hydrogeological and hydraulic study of the Linguère - Matam road in Senegal.

Experience in the field of design and installation of hydraulic equipment

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him
<input type="checkbox"/> Name of project or mission: Projects to install drip irrigation equipment on behalf of several beneficiaries. <input type="checkbox"/> Period: 1999-2000 <input type="checkbox"/> Location: Tunisia <input type="checkbox"/> Establishment: Mutual Society of Agricultural Services Base "Essaada" <input type="checkbox"/> Position: Junior Engineer <input type="checkbox"/> Activities: <ul style="list-style-type: none"> ✓ Study, assembly and testing of rural hydraulic equipment; ✓ Field data collection and site reconnaissance; ✓ Identification, proposal and choice of equipment to be installed; ✓ Diagnosis of existing networks and structures; ✓ Establishment of reports of the premises and Minutes; ✓ Study of technical and economic variants; ✓ Development of the chosen variant; ✓ Sizing of networks and equipment; ✓ Evaluation of investment costs; ✓ Project management; ✓ Follow-up and control of the completion of the work.

Other experience in the field of sewerage infrastructure operation and project management

Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him
<input type="checkbox"/> Name of project or mission: Administrative, technical and financial management of the District of Ariana and the District of Ben Arous. <input type="checkbox"/> Period: 2016-2021 <input type="checkbox"/> Location: Tunisia <input type="checkbox"/> Institution: National Sanitation Utility <input type="checkbox"/> Position: Head of District <input type="checkbox"/> Core Activities: <ul style="list-style-type: none"> ✓ Repair of the annual cleaning and maintenance program of wastewater networks, stormwater networks if



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<p>necessary and sub-programs (monthly, weekly and daily), supervision of the accomplishment and organization of the work of the teams and the use of materials and equipment;</p> <ul style="list-style-type: none"> ✓ Establishment of the annual programme for the operation of the pumping stations and the monitoring of its execution, the preparation of daily reports on the operation of the stations; ✓ Development of the preventive maintenance program for the pumping stations in coordination with the relevant maintenance departments; ✓ Planning: carrying out the connection of real estate to the sewerage network, the completion of repair and rehabilitation works of pipes, manholes and connection boxes, the preparation of periodic reports concerning the status of connection requests; ✓ Organization and implementation of field monitoring operations of the codes inherent to the sanitation service fees and the transmission of update lists to the office or to the customer service; ✓ Subject to the codes inherent in sanitation service charges; ✓ Carrying out emergency interventions to unclog and rehabilitate the sewerage network and connection boxes and others; ✓ Management of subcontracting contracts for the operation of sewerage networks and pumping stations and monitoring of the operator's performance with regard to the cleaning of the network, the operation of structures and installations and unclogging works, the preparation of the six-monthly report evaluating the operator's efficiency; ✓ Technical supervision of connection works carried out within the framework of contracts, or by real estate developers, or by contractors at the request of citizens; ✓ Monitoring of clandestine and illegal connections to the sewerage network, the discharge of industrial water, and the keeping of a register of irregularities, offences and violations; ✓ Processing of citizens' complaints and claims and analysis of their causes; ✓ Organization of the work of the teams, the keeping of attendance documents and the designation of the intervention teams are put on call according to the procedures in force; ✓ Use of raw materials, tools and fuel consumption and the continuity of operation of materials and equipment; ✓ Provision of programmes for the rehabilitation and extension of sewerage networks and pumping stations; ✓ Applying the rules and instructions relating to occupational health and safety in the workplace, as well as the proper use of sanitary areas. <p>❑ Related Activities:</p> <ul style="list-style-type: none"> ✓ Contribution to the acceptance of networks carried out for the benefit of the Client in the context of works contracts, or networks carried out by third parties; ✓ Repair of the annual report on the activities of the regional district; ✓ • Contribution to the preparation of terms of reference and specifications relating to the operation by the private sector of sewerage networks and pumping stations; ✓ Functional relations both within the institution (all units of the Regional Directorate) and with other parties (local authorities, entrepreneurs, property developers, citizens and customers). 	

Other experience in the field of international project management and management

<p>Reference to previous work or assignments illustrating the expert's ability to carry out the tasks assigned to him</p>	
<ul style="list-style-type: none"> ❑ Institution: Engineering company 'Concept Africa' ❑ Position: Co-Manager/Director of Projects ❑ Activities: <ul style="list-style-type: none"> ✓ Ensure the administrative, financial and commercial management of the company; ✓ Assume the company's social and legal responsibility; ✓ Elaboration and implementation of the general policy of the structure; ✓ Management of the company in line with the strategy defined by the general management of the Concept 	<ul style="list-style-type: none"> ❑ Name of the project or mission: Study for the development of the Detailed Urban Plan (PUD) of the Urban Units n°5 (Communes of Songon and Yopougon) and n°7 (Autonomous Port of Abidjan) of the Urban Master Plan of Greater Abidjan (SDUGA). ❑ Year: 2022-2023 ❑ Location: Ivory Coast ❑ Client/Client: MCLU/General Directorate of Urban Planning and Land - Greater Abidjan Competitiveness Support Project 'PACOGA' ❑ Project Manager/Consultant: Dirasset International/Concept Africa Consortium of Firms ❑ Donor: World Bank Group (IDA) ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Data collection and diagnostic analysis of the space;



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<ul style="list-style-type: none"> ✓ Group; ✓ Development of the strategy into action plans; ✓ Analysis of activity data and identification of areas for development; ✓ Definition of annual forecasts in terms of budgets and objectives; ✓ Attend meetings, draw up minutes and do monthly reporting; ✓ Ensure the management and supervision of human resources; ✓ Representation of the company to its respective clients in the West African sub-region; ✓ Conduct prospecting visits and commercial lobbying; ✓ Contribution to the preparation of Expressions of Interest and Requests for Proposals and to the preparation of offers; ✓ Project planning and management; ✓ Supervision of technical teams and consultants; ✓ Ensures the proper execution of the contracts concluded; ✓ Coordination with the Group's various internal structures; ✓ Communication and maintenance of relations with external institutions; ✓ Preparation of balance sheets and income statements; ✓ Prepare and attend the various reviews; ✓ Preparation of ordinary and special meetings of the company. 	<ul style="list-style-type: none"> ✓ Development of a cartographic database; ✓ Conducting a Strategic Environmental Assessment (Phase 1); ✓ Realization of the Detailed Urban Plan 'PUd' (version 00); ✓ Establishment of development scenarios; ✓ Conducting a Strategic Environmental Assessment (Phase 2); ✓ Elaboration of a provisional detailed Urban Plan (version 01); ✓ Strategic Environmental Assessment; ✓ Elaboration of the priority investment program; ✓ Production of the Special Urban Planning Regulations; ✓ Conducting the public inquiry; ✓ Elaboration of the final version of the 'PUd'; ✓ Organization and facilitation of consultation and validation workshops. <hr/> <ul style="list-style-type: none"> ❑ Name of the project or mission: <u>Technical Feasibility Study of the Project for the Optimization of the Management of Household and Similar Solid Waste in the Autonomous District of Abidjan and the Mode of Contracting of Infrastructures within the framework of a 'PPP'</u>. ❑ Year: 2022-2023 ❑ Location: Ivory Coast ❑ Client/Client: MINASS/General Directorate of Sanitation and Sanitation - Sanitation and Urban Resilience Project 'PARU' ❑ Project Manager/Consultant: Prospectiva/Lipor/Concept Africa Consortium of Firms ❑ Donor: World Bank ❑ Key features of the project: <ul style="list-style-type: none"> ✓ Organization and facilitation of a kick-off workshop; ✓ Diagnosis of the solid waste management system of the Autonomous District of Abidjan; ✓ Analysis of the current situation in the management of household solid waste and similar waste (pre-collection, collection, transport/transfer, treatment, recovery and recycling); ✓ Proposal of the modalities of the organization to be put in place for the management of the different categories of waste through organized and viable sectors; ✓ Development of a coherent, structured and operational plan for the rational management of the entire solid waste sector; ✓ Analysis of the financial viability of the project; ✓ Selection and validation of the sites to house the infrastructures; ✓ Elaboration of Preliminary Summary Design (APS) of household solid waste management infrastructures and similar waste; ✓ Preparation of the pre-qualification consultation file for companies and the call for tenders; ✓ Organization and animation of restitution, launch and validation workshops; ✓ Transfer of skills.
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Formation/Certification:



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Establishment	Colloquiums and seminars
Period	1999-2025
Subject/Title	<ul style="list-style-type: none"> • Elaboration of specifications; • Public procurement management; • Examination of tenders; • Protection of groundwater; • Safety provisions and rules in laying and rehabilitation sites; • The fundamentals of Project Management according to the PMI standard; • MS Project; • Water pumping by filter needles and stability techniques by sheet piles; • Communication and processing techniques with citizens; • The new public procurement regulations; • Geotechnical testing and soil reconnaissance; • Pile construction and deep foundation technologies; • Topographical calculation and road platforms and various networks; • Hydraulic calculation and sanitation; • The challenges of corporate governance; • Presentation techniques; • Assertiveness and assertiveness; • The key emotional intelligence of management; • The commercial information system; • The code of conduct and ethics of public officials in the company; • Prioritize management at work.

Internships:

Establishment	Regional Commission for Agricultural Development of Monastir, Tunisia
Period	July 1998
Title/Rank/Status	Technician status – Internship dedicated to the monitoring and analysis of hydrological data from a few stations in the region

Establishment	"El Mostakbal" Brickworks Company of Teboulba, Tunisia
Period	July 1997
Title/Rank/Status	Worker status - Internship dedicated to integration into the socio-professional environment

Information on how to contact the expert:

Telephone (M)	(+216) 98 208 824
Email	w_benchaabane@yahoo.com
Permanent address	Tunisia street - Residence "Dorrat El Madina", Group 2, Block 9, Apartment 1 - The New Medina - 2063 - Ben Arous, Tunisia
Useful links	https://www.linkedin.com/in/walid-benchaabane-77253a46/

Other information about the expert:

Number of years of experience	>25 years
Marital status	Married, 2 children
Date and place of birth	28/05/1975 in Mahdia (Tunisia)
Other information	<ul style="list-style-type: none"> <input type="checkbox"/> Mobility: international; <input type="checkbox"/> Availability: Immediate <input type="checkbox"/> Notice period: (01) months; <input type="checkbox"/> Driver's license: category (B); <input type="checkbox"/> Detached from the tunisian administration, actively looking for an opportunity.
Hobbies/Interests	<ul style="list-style-type: none"> <input type="checkbox"/> Former football player in an amateur club; <input type="checkbox"/> Passion for travel, sports and music.



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Certificate:

I, the undersigned, certify in good conscience that this CV accurately describes me, my qualifications and my professional experience. I undertake to be available to carry out the mission when necessary, in case the contract is awarded. Any false statement or information provided incorrectly in this CV may justify my disqualification or dismissal by the Client, and/or sanctions by the Bank.

Expert's Name	Signature	Date
Walid BENCHAAABANE		20.10.2025