Sanitation Program contributing to the Mediterranean depollution

**- Program Objectives :**

* The optimization of the profitability of sanitation infrastructures and particularly wastewater treatment plants.
* The upgrading of old sewerage networks.
* Extension of the sewerage network.
* Reinforcement of ONAS technical and managerial capacities .

- the Program comprises :

* Extension and Rehabilitation of 4 Wastewater Treatment Plants: South Meliane (Ben Arous), Jdaida (Mannouba), North Sousse (Sousse) and Kélibia (Nabeul).
* Rehabilitation of 250 km of pipes and 28 pumping stations for the benefit of 90,000 inhabitants in 13 governorates: Tunis, Ariana, Mannouba, Ben Arous, Nabeul, Sousse, Monastir, Mahdia, Kairouan, Gabes, Médenine, Tataouine and Tozeur.
* Extension of 290 km of pipelines and the construction of 25 new pumping stations for the benefit of 90,000 inhabitants in 13 governorates: Tunis, Ariana, Mannouba, Ben Arous, Nabeul, Sousse, Monastir, Mahdia, Kairouan, Gabes, Médenine, Tataouine and Tozeur.
* Reinforcement of ONAS Technical and Managerial capacities

- Program Implementation Period: 2019-2024

- The Program Cost and Financing :

The cost of the program amounts to 140 million euros, equivalent to 450 million DT:

Loan of 60 million euros from the French Development Agency.

Loan of 69.6 million euros from the European Investment Bank.

Grant of 10.4 million euros from the European Commission.

**Extension and Rehabilitation of the Southern Melliane Wastewater Treatment Plant**

The Greater Tunis treatment Scheme is based on 3 poles: Charguia - Choutrana Pole which treats wastewater from the watershed of the northern region of Greater Tunis, the "El Attar" Pole which treats wastewater from the western Tunis watershed and the "Southern Mellaine" Pole which treats wastewater from the southern Tunis watershed.

The " Southern Mellaine " pole is composed of a wastewater treatment plant built in 1982 with a treatment capacity of 37500 m3/day and a second WW treatment plant built in 2007 with a treatment capacity of 40000 m3/day.

With the population growth that the Greater Tunis region is experiencing and in order to improve the quality of efflent, the upgrading of the South Melliane wastewater treatment plant is required and this by rehabilitating of the facilities of treatment and extending the capacity of the pole to 90,000 m3/day and equipping it with tertiary treatment works and cogeneration to produce electrical energy.

- Cost of the Project: 135 million DT

- Contract Signature: November 02, 2020

-deadline of the implementation: 36 months

**Future Cooperation Proposal**

ONAS wishes that the French Development Agency, the European Investment Bank and the European Commission will finance the second phase of the program Extension of 250 km of Pipeline and 25 Pumping Stations.

estimated at 200 million euros which consists of :

* Extension and rehabilitation of 6 wastewater treatment plants: Korba (Nabeul), Msaken (Sousse), Frina (Monastir), Jerba Aghir, Sidi Mehrez and Houmet Essouk (Medenine).
* Rehabilitation of 300 km of pipes and 10 pumping stations.
* Reinforcement the technical and managerial capacities of ONAS.

Translated with www.DeepL.com/Translator (free version)