



Civil Engineering Works / Hydraulic Infrastructures

Adaptation project and works on the NWQP (WWTP at Arroyo del Soto, Municipal District of Móstoles)

Client

CYII

Amount

€ 9,939,342.33 (including VAT)

Location

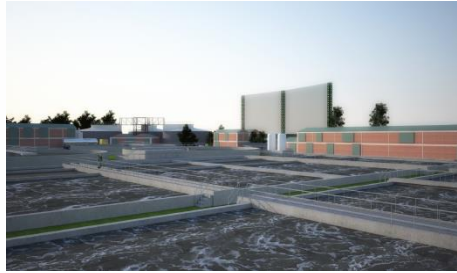
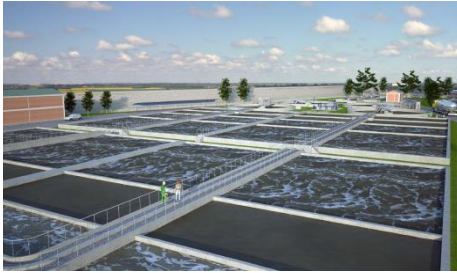
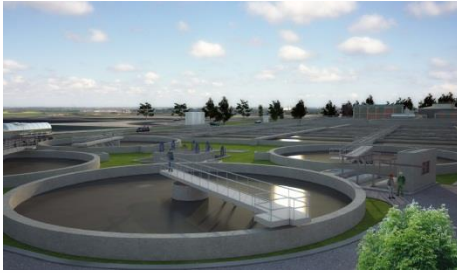
Móstoles (Madrid)

Period of the works

Oct 2015 – Feb 2019

Scope

The works consist of execution and extension of the waste water treatment plant.



Description of the works

The work to be performed consists of adaptation of the Arroyo del Soto WWTP, located in Móstoles, to the requirements of the National Water Quality Plan (NWQP). To that end, it takes into account the characteristics, both present as well as those foreseeable in the middle term, of the flows to be processed by the plant. Execution of all the preceding actions must be

performed without damaging the effluent quality of the plant, so it does not cease to operate at any time. To locate the new elements foreseen, it shall also be necessary to demolish a fair number of existing elements; some of which are not in operation, while others are and should be demolished after starting up those that will substitute them.

Main data of the works

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| Intake and pre-treatment works: | <ul style="list-style-type: none"> o Installation of new sieves (coarse) o Installation of new fine sieves and conveyor screws. |
| Primary decantation: | <ul style="list-style-type: none"> o Construction of new primary decantation vessels. |
| Biological treatment: | <ul style="list-style-type: none"> o Remodelling existing biological reactors. o Construction of new biological reactors (extension). |
| Other actions of adaptation and improvement: | <ul style="list-style-type: none"> o New de-emulsion blower and motor control centre building. o New building for biological motor control centre. o New electrical workshop. o New iron chloride installations and internal carbon sources (methanol and molasses). o New thickener floater equipment and anti-vandal protection for the float. o Heat proofing the existing sludge digesters. o Deodorisation. |