



Innovative hybrid INTensive – EXTensive resource recovery from wastewater in small communities

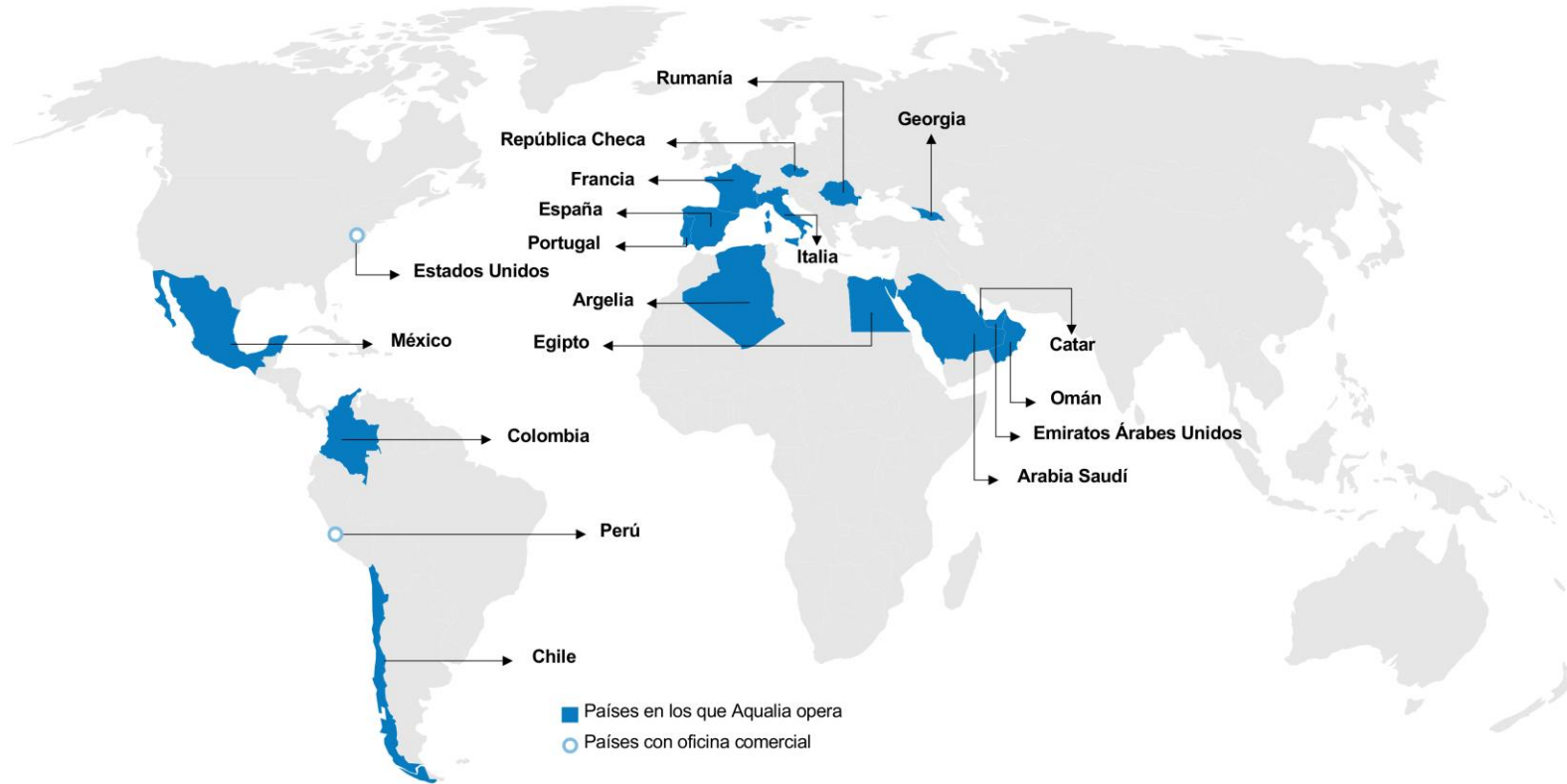


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Junta de Andalucía





- 18 countries from Europe, LATAM and MENA regions
- 43,7 million of population served
- Global Water Intelligence - "Best Water Company of the Year 2023"

#1 in Spain*

#4 in Europe*

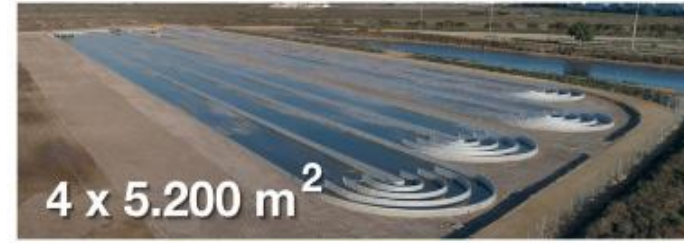
#9 in the World*

*Source: March 2021 GWI ranking



High rate algae ponds

Upscaling



Pilot plant
32m²



Prototype
500m²

Pre-Demo
3.000m²

DEMO
> 5.000m²



All-gas

INCÖVER

biosol
water recycling

SABANA
Water Recycling

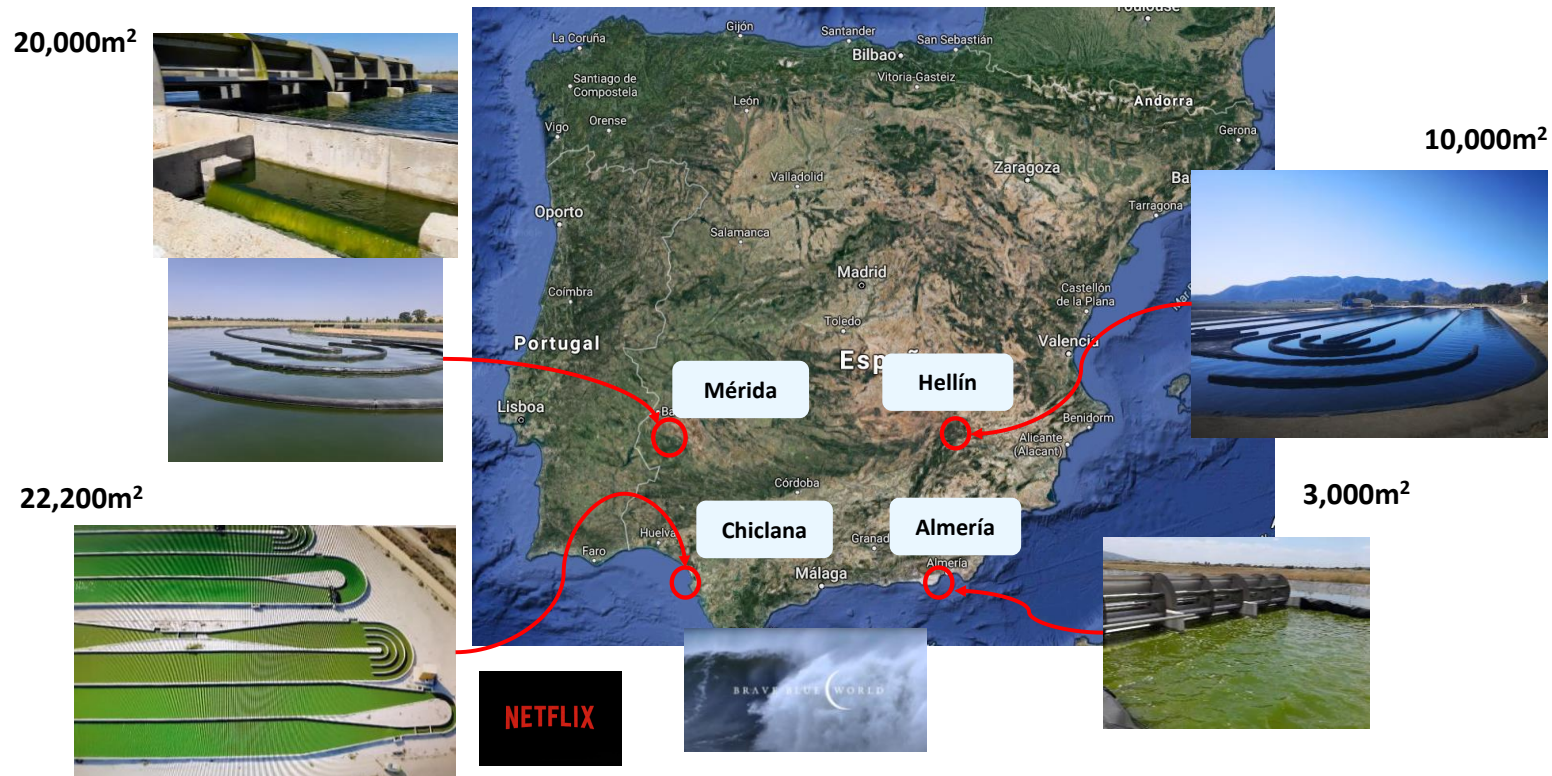


High rate algae ponds

References in Spain

- Chiclana de la Fra. (ALL-GAS) = 4 x 5000 m²: 10.000 he
- EDAR Mérida (Sabana): 20.000 m²: 10.000 he
- EDAR Agramón (Hellín): 10.000 m² : 5000 he
- EDAR El Toyo (Almería): 3.000 m² : 1500 he

TOTAL
> 5 ha
26,500 HE





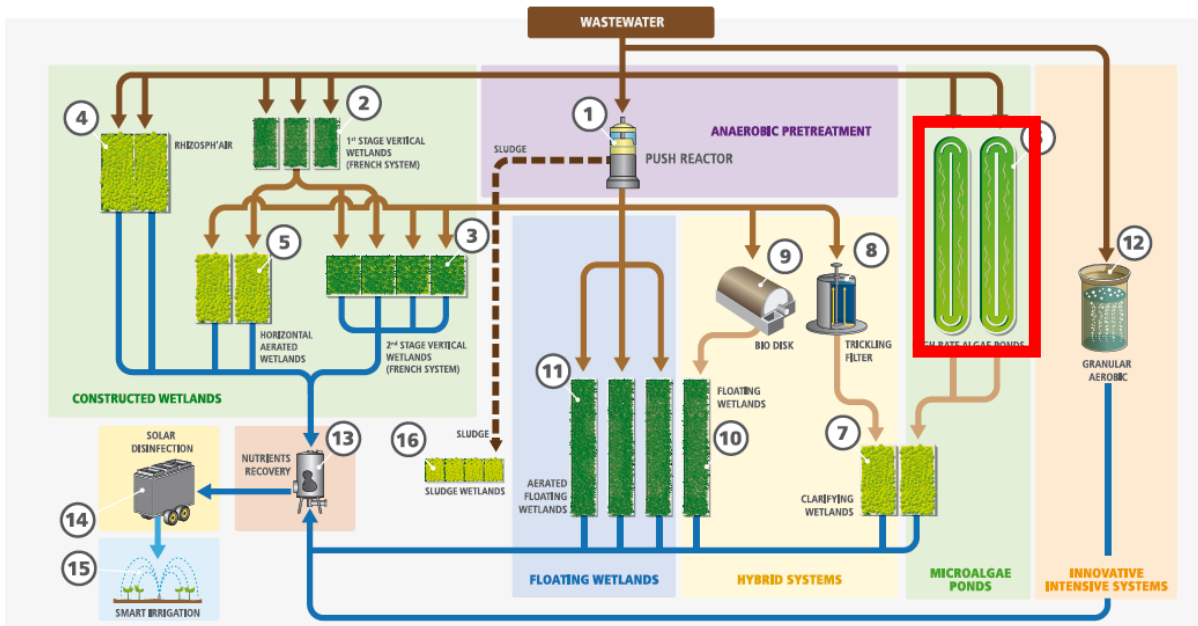
High rate algae ponds

LIFE INTEXT Project



#hub
INtext

Platform for sustainable wastewater treatment in small communities



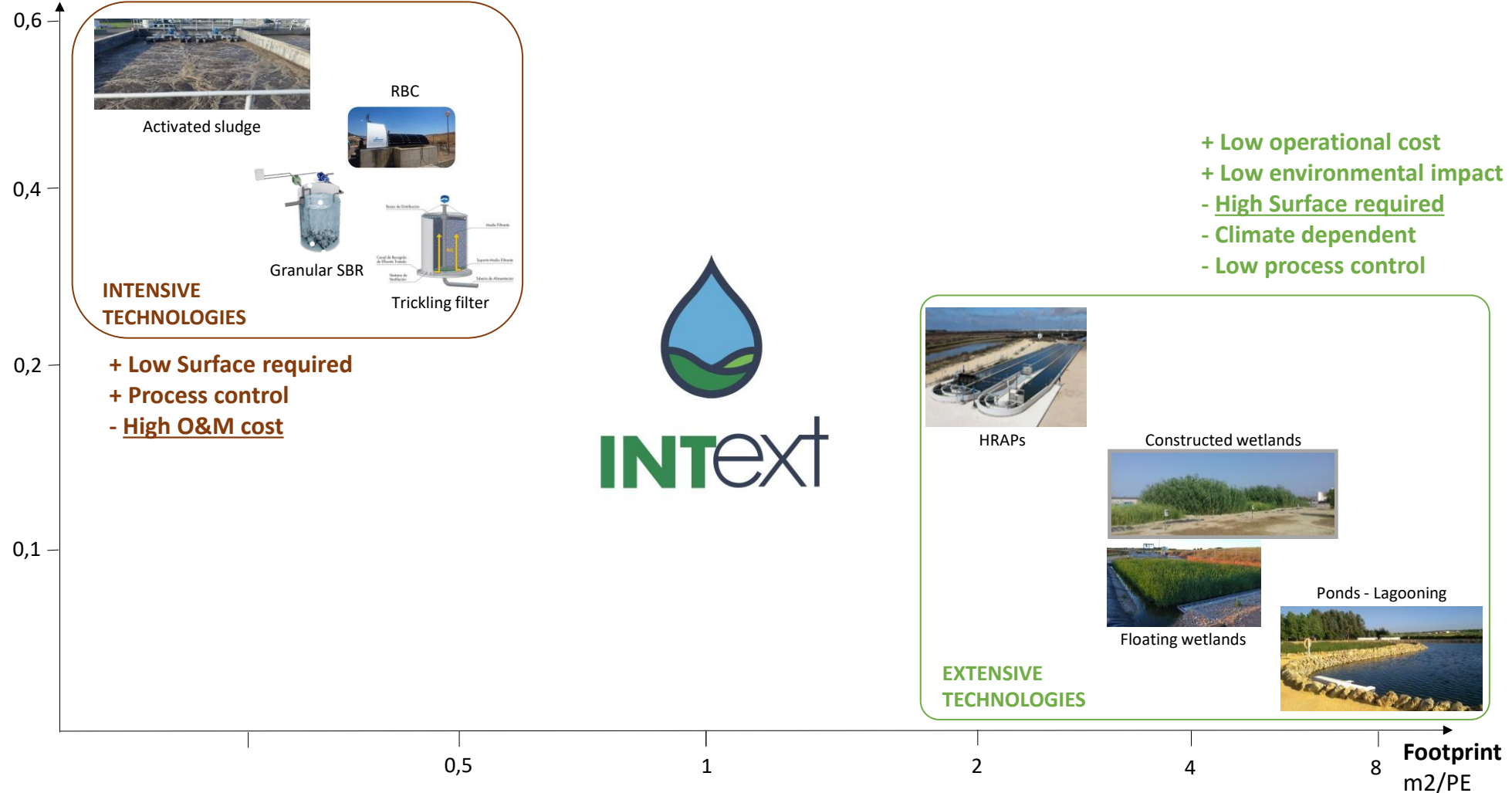
More than 16 "infinite" combinations.

125PE



Energy consumption
kWh/m³ WW

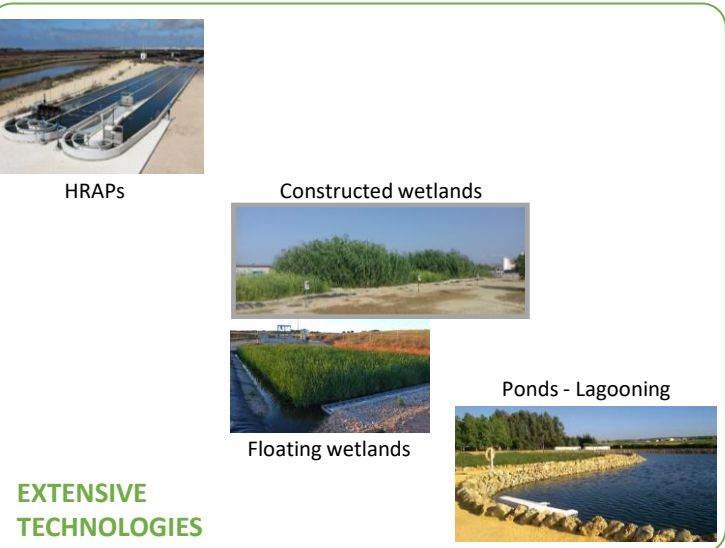
INTENSIVE vs. EXTENSIVE WWT TECHNOLOGIES FOR SMALL COMMUNITIES



INTENSIVE TECHNOLOGIES

- + Low Surface required
- + Process control
- High O&M cost

- + Low operational cost
- + Low environmental impact
- High Surface required
- Climate dependent
- Low process control



EXTENSIVE TECHNOLOGIES

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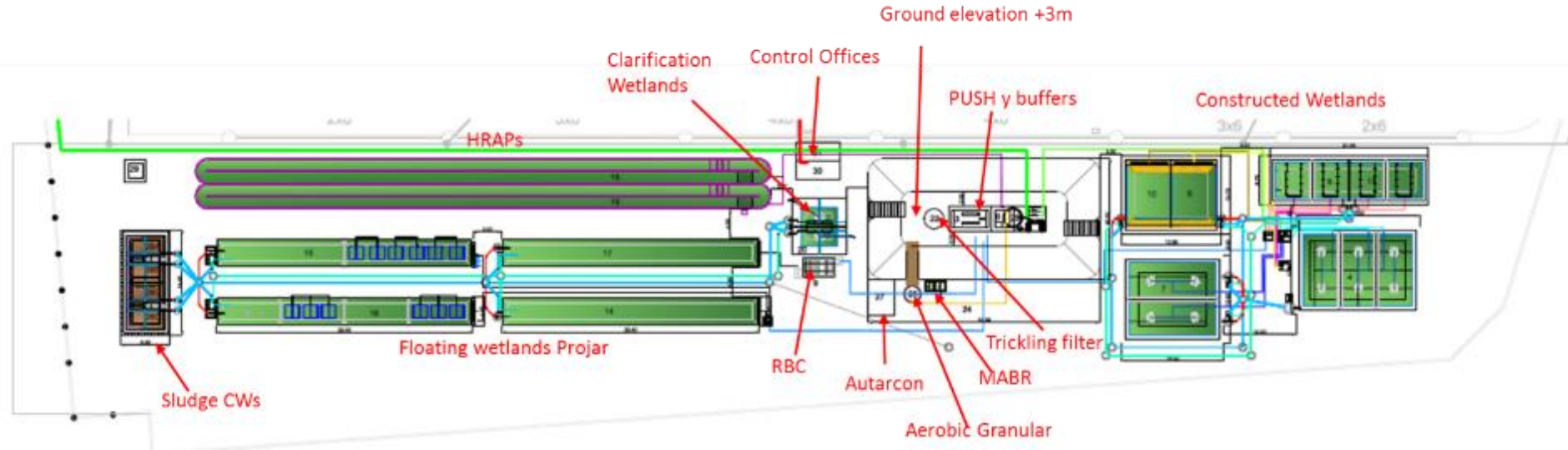
Talavera de la Reina WWTP





Life INTEXT

Talavera de la Reina WWTP



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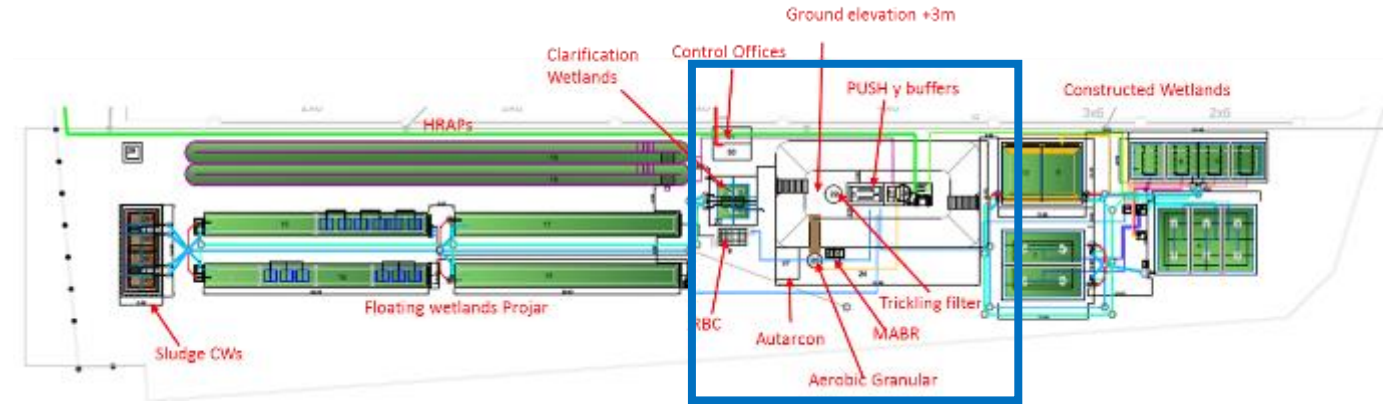


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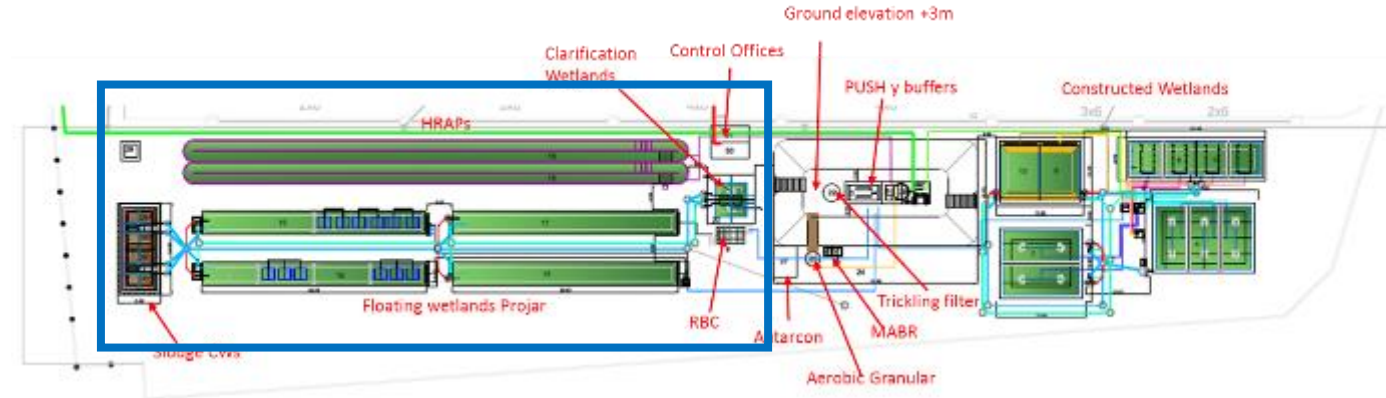


- Pretreatment
- Biofilm / Hybrid systems



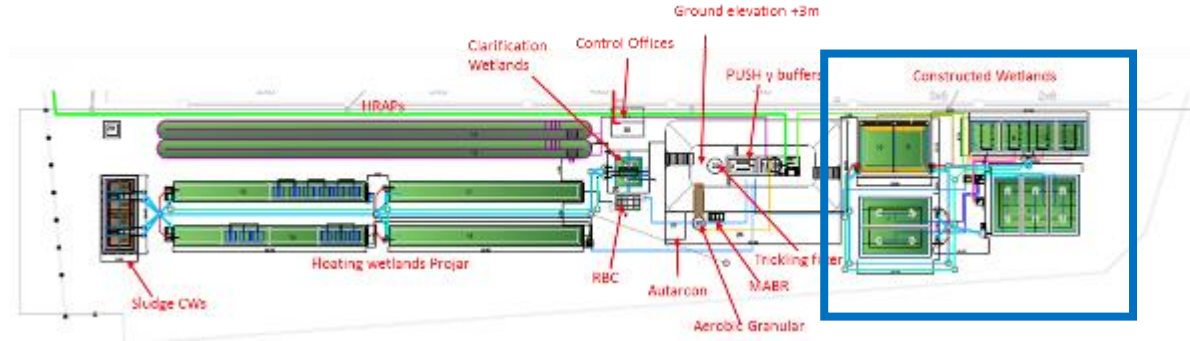


- Microalgae
- Floating wetlands
- Sludge wetlands
- Hybrid systems





- Constructed wetlands





https://www.youtube.com/watch?v=OGz_0XaVWjo&t=13s



INText



AYUNTAMIENTO DE
TALAVERA DE LA REINA

BIENVENIDOS A LIFEINTEXT

*La solución a los retos de la depuración
en pequeñas y medianas poblaciones*



With the contribution of the LIFE financial
instrument of the European Union

Con la contribución del instrumento
financiero LIFE de la Unión Europea

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