

CONTAINERIZED WASTE WATER TREATMENT PLANTS FOR **HOSPITAL**



green H-MBR
Membrane Biological Reactor



green H-MBR

CONTAINERIZED WASTE WATER TREATMENT PLANTS FOR HOSPITAL

GREEN H-MBR plants in containers are easily integrated in an environmental context: the reduced volumes necessary for treatment in fact minimise the dimensions and their modularity allows possible expansion over time.

They can be constructed quickly, are easily transported and are fast to install.

The architectural layout of the plants was defined to minimise the overall impact of the works. Designs including GREEN MBR in fact require little civil works to be carried out.

Thanks to the Membrane Bio Reactor (MBR) technology, the treated water is good enough to be reuse. (eg. irrigating green area, washing vehicles and firefighting)

The systems can be customised based on the characteristics of the waste water to treat (hydraulic load and pollutant load).

 **INSTALLATION AND START-UP**

 **TRAINING**

 **MANUALS IN DIFFERENT LANGUAGES**



H-MBR plants by Idro Group can be manufactured with remote monitoring systems that allow remote supervision of the main operating parameters and signalling of any alarms on the system.



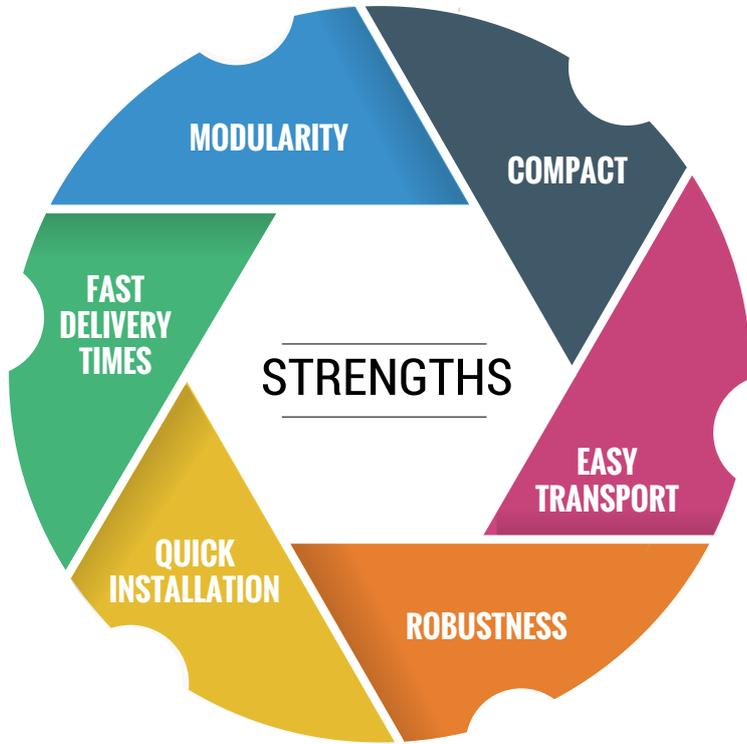
BASE TREATMENT SECTIONS OF green H-MBR PLANTS

- Accumulation | Equalization | Lifting *
- Fine Screening
- Denitrification
- Oxidation/Nitrification
- MBR filtration
- Final disinfection
- Technical room
- UV Disinfection
- Rina certification for Marine Transport

(* equipment only, tank the client's responsibility)

MADE IN ITALY

100% quality



OPTIONAL ELEMENTS:

LIFTING

SLUDGE DEHYDRATION

ACCUMULATION TANK CONTAINER

CHLORINE GENERATOR

SPARE PARTS / CHEMICALS / ACCESSORIES



MODELS AVAILABLE

MBR PLANTS WITH DENITRO				
MODEL	N. of Bad	CAPACITY m ³ /day	kW installed	N. CONTAINERS
Green H-MBR 100	100	48	9,2	1x20'
Green H-MBR 200	200	96	11,9	1x40'
Green H-MBR 300	300	144	15,8	1x40'+1x20'
Green H-MBR 400	400	192	21,4	2x40'
Green H-MBR 450	450	240	26,7	2x40'+1x20'
Green H-MBR 600	600	300	36,6	3x40'

PARAMETER	VALUE
Waste water origin	Civil
Altitude	200m m.a.s.l.
Temperature	15 – 22 °C
Concentration BOD in	300 ppm
Concentration TKN in	60 ppm
Concentration P in	10 ppm
Concentration BOD out	< 20 ppm
Concentration TKN out	< 20 ppm
Concentration P out	< 2 ppm *

(* only for version WITH chemical dephosphating)

