



ARPA^A CHANGE
TRANSITION TO **SUSTAINABILITY**



PRODUCT CATALOG

SPECIALISTS IN COMPLEX WATERS

ARPA Change is a reference company in engineering and manufacturing of complex water treatment solutions in containerized systems ready to connect and use.

Focused on urban wastewater treatment.

MISSION

To offer technologically advanced solutions for a integral treatment of wastewater

VISION

To be the reference supplier of sustainable water treatment equipment

VALUES

Responsibility
Commitment
Adaptation to change
Flexibility

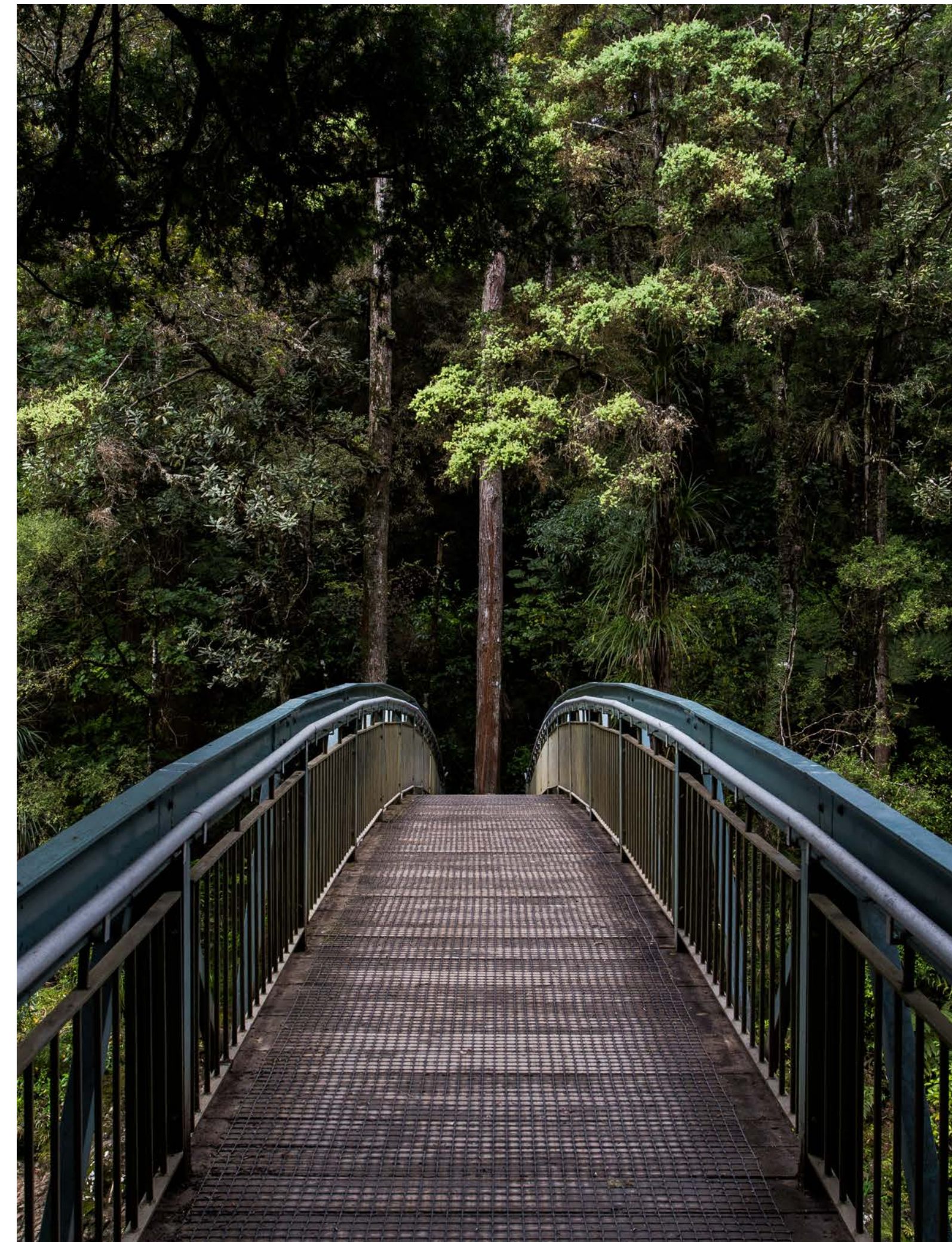


About the company

ARPA CHANGE is a trademark of ARPA EQUIPOS MÓVILES DE CAMPAÑA SAU. dedicated to the design and manufacture of solutions that provide greater sustainability, among these solutions are the equipment for wastewater treatment.

Founded in 1968, ARPA is a world reference in infrastructure for the most diverse operational scenarios.

Its extensive experience in the development of all types of infrastructures related to energy, water, etc., as well as the intense work of its R&D department, has allowed ARPA to provide answers to problems with a high environmental impact





Directive 91/271/CEE in general and the particular regulations of the different Countries, urge and oblige the Municipalities to treat the wastewater they generate.

Not only the European or local regulations demand us to treat wastewater. At this time, social responsibility morally obliges us at all levels.

There are different solutions of Wastewater Treatment Plants (WWTP's) that provide an adequate response to the needs of purification.

In ARPA, we have specialized in providing solutions for water treatment in municipalities of up to 2,000 inhabitants, easy to install and above all simple to maintain.

WWTP SOLUTIONS

Wastewater Treatment Plants for municipalities up to 2000 PE (PE= pollutant load equivalent to 60gr BOD5/day)

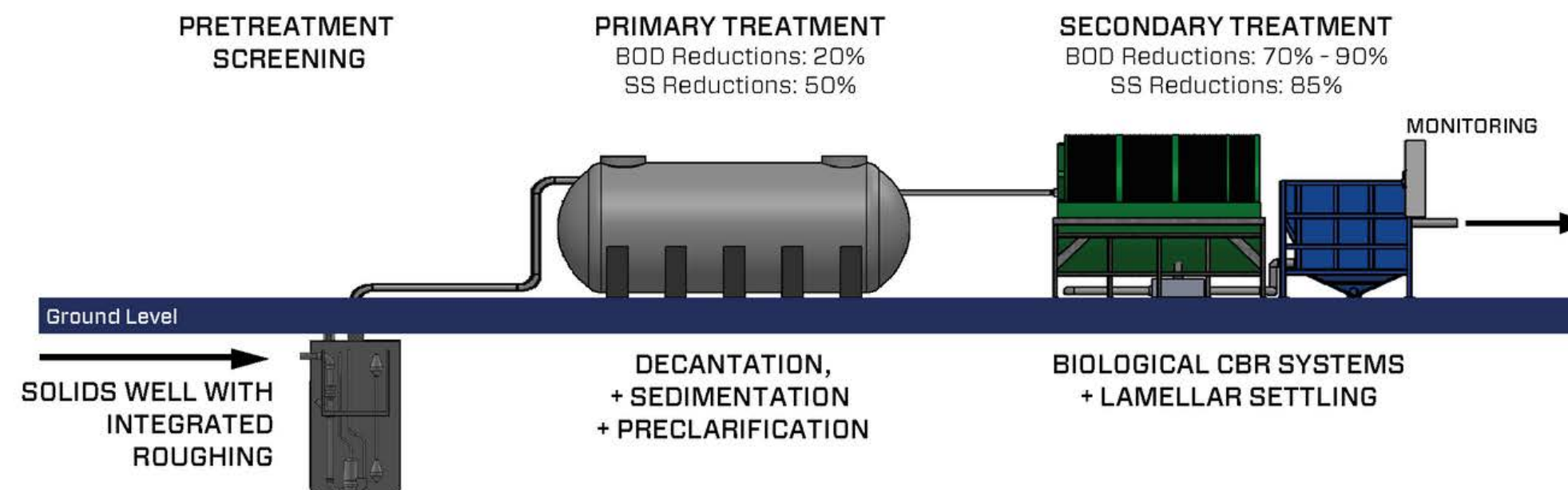
READY-TO-USE MODULAR SYSTEMS - EXPANDABLE AND SELF-SUPPORTING

Continuous cycle wastewater treatment plants.

Sequential process

- Integrated roughing with option for automation.
- Passive Primary Treatment
- Secondary Treatment with Moving Bed Biofilm Reactor (MBBR) obtaining BOD 70% or higher.
- Active Secondary Treatment with Rotating Biological Contactors System (RBC).
- Biological treatment with "Ultra Clean" lamellar settling, with BOD reduction up to 90% depending on the case and S.S. up to 85%.

FOR POPULATIONS OF MORE THAN 100 E.H



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ARPA CHANGE

We are different. Do you know that?

Our Plug & Play system makes us unique

- More Efficient
- More Economical
- Faster
- Simpler
- Safer
- More Sustainable
- More Scalable
- More Longevity

We provide specific solutions for YOU



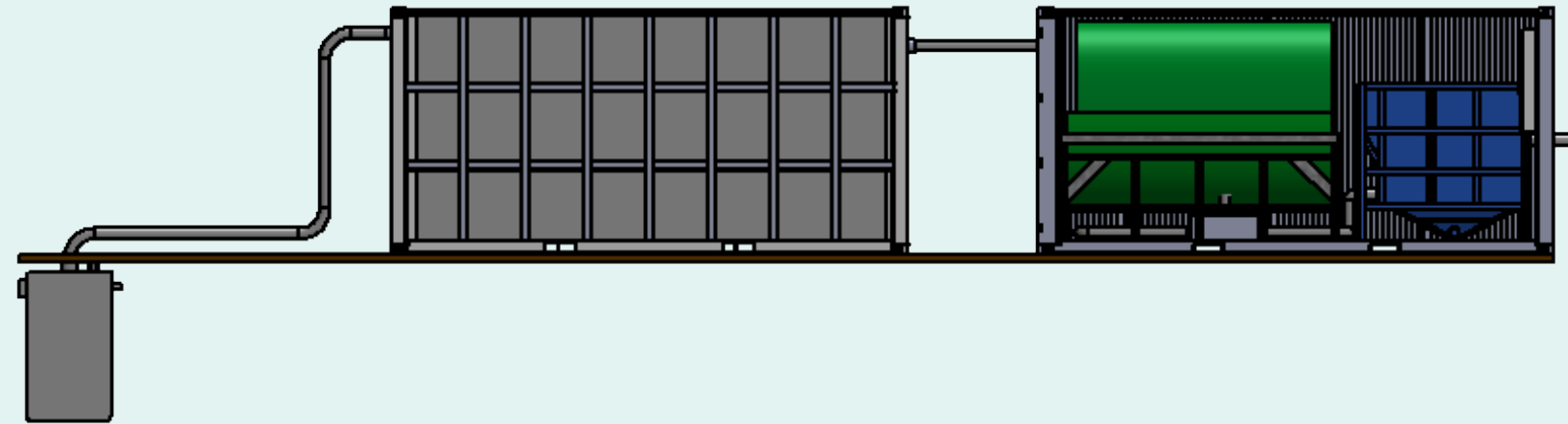
WWTP

in platform



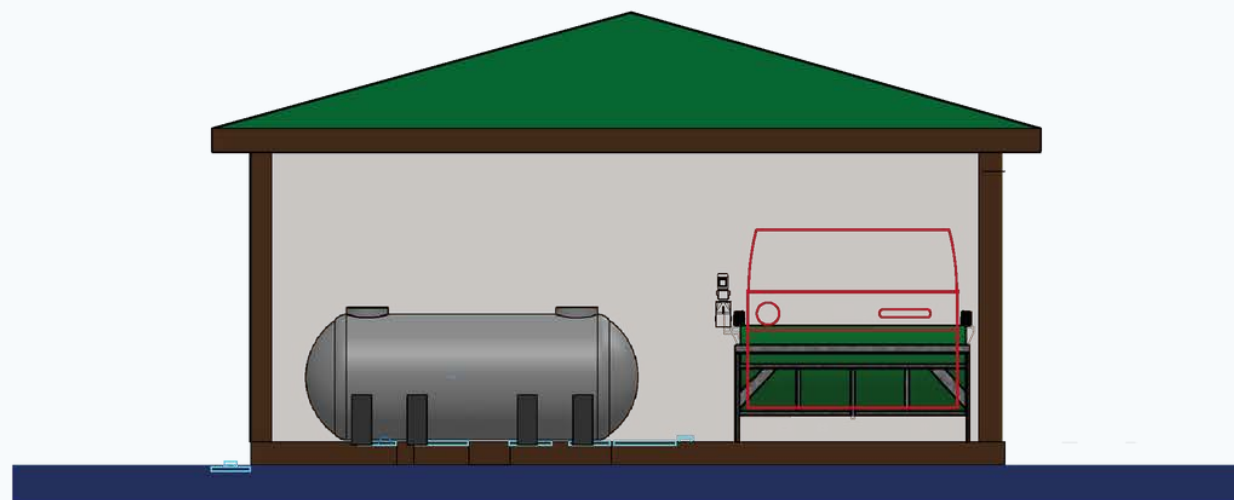
WWTP

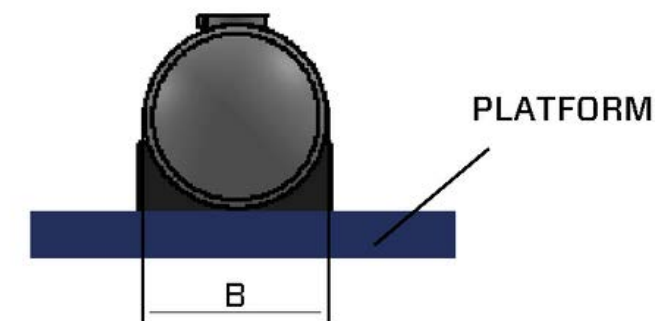
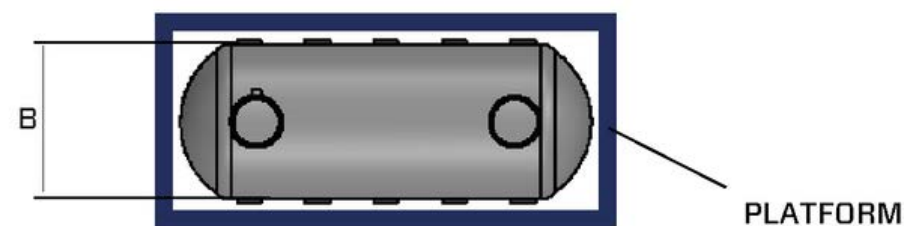
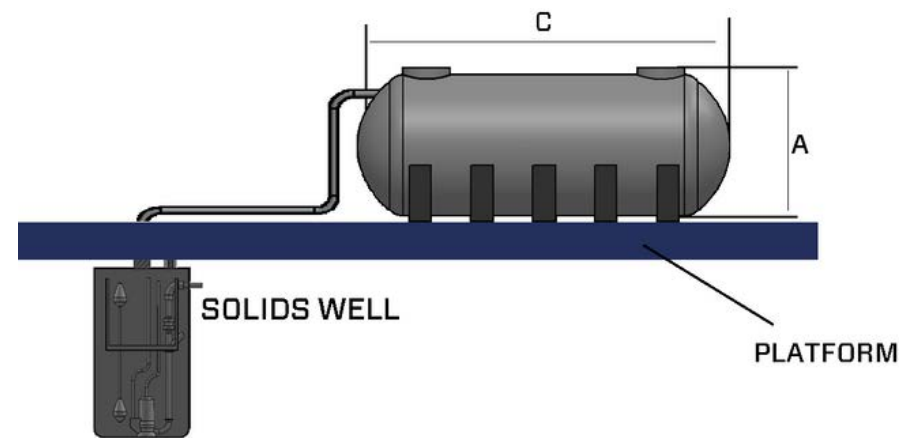
in Skid / Box



WWTP

in Modular construction



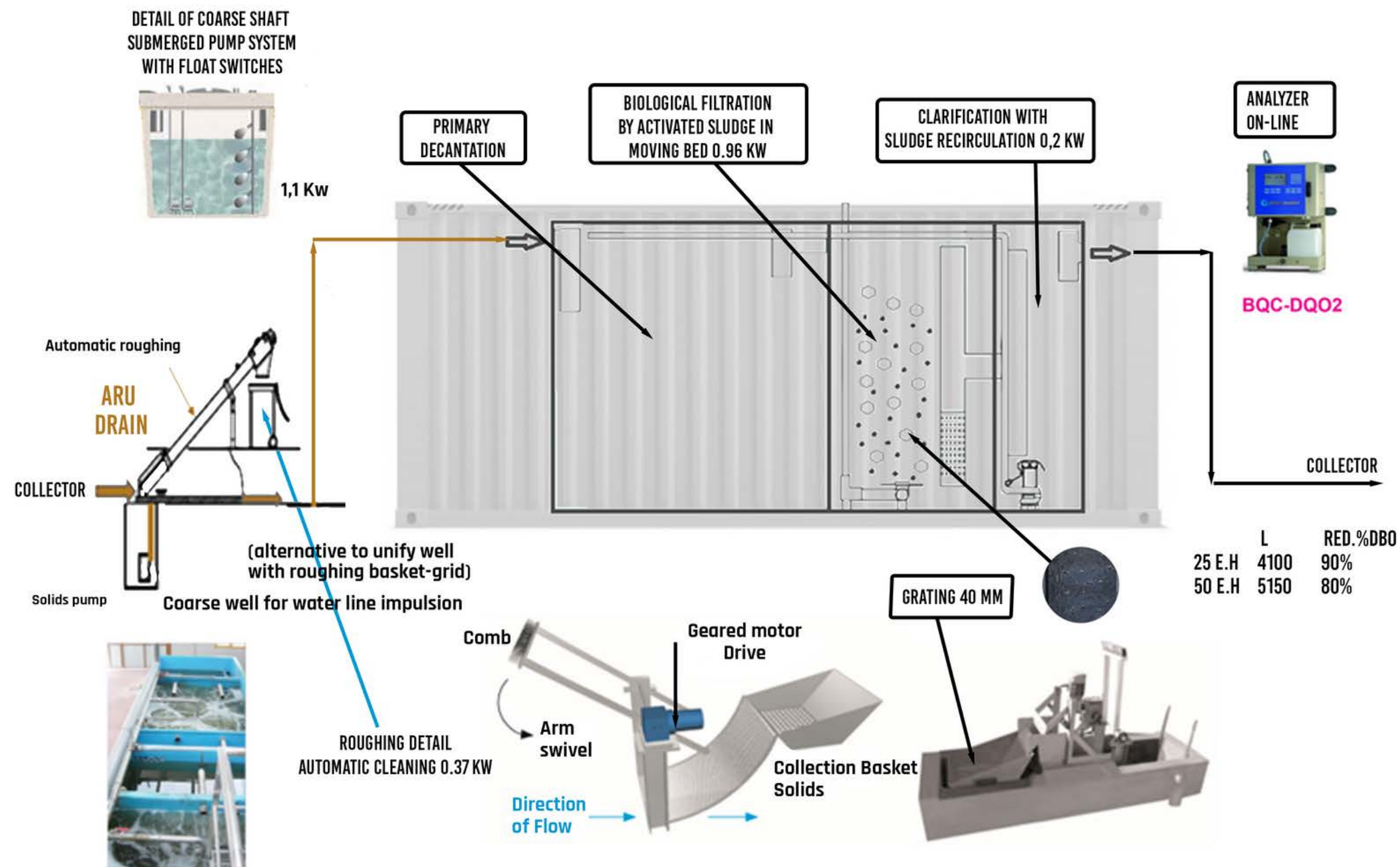


WWTP

in platform

SOLUTION DIAGRAM: ARPA EDAR FALM* 25-50 E.H CONTAINER 20' HC

*ACTIVATED SLUDGE IN MOVING BED



Optimal configuration up to 100-150 PE.

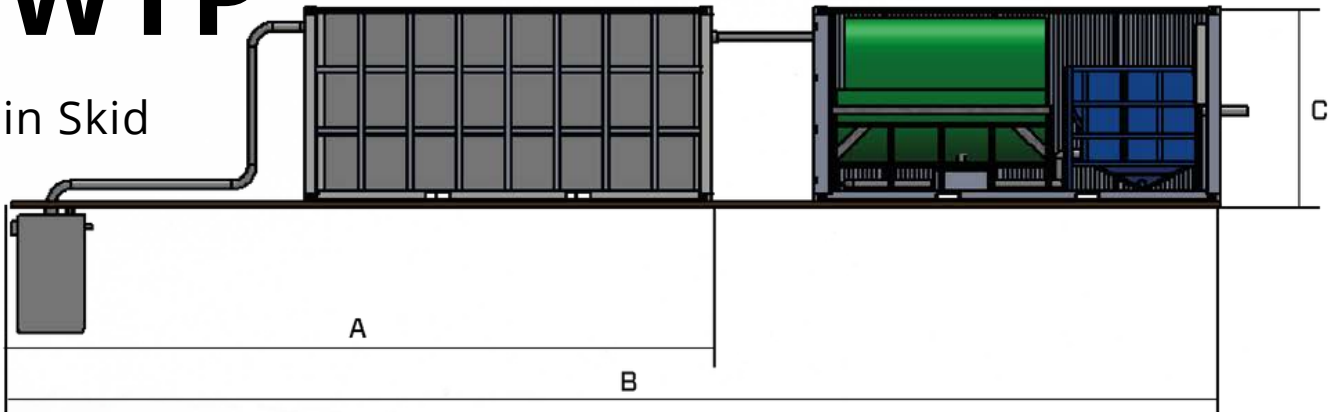
Exclusive solution of Primary plus a Secondary consisting of MBBR.

SECTION TABLE

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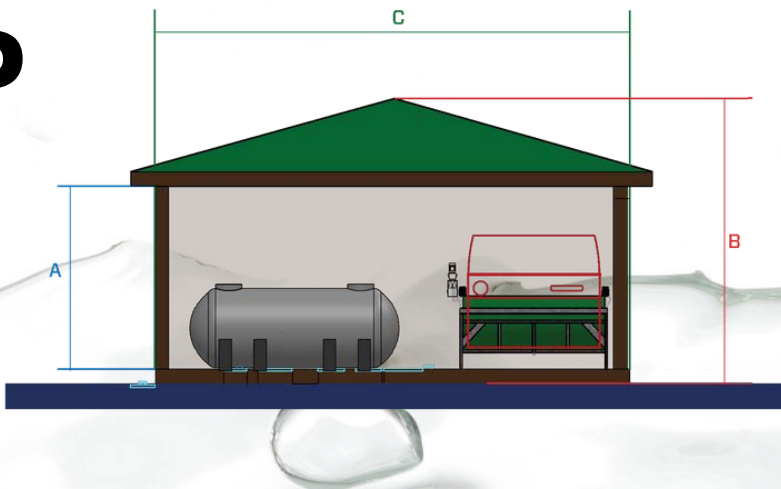
WWTP

in Skid

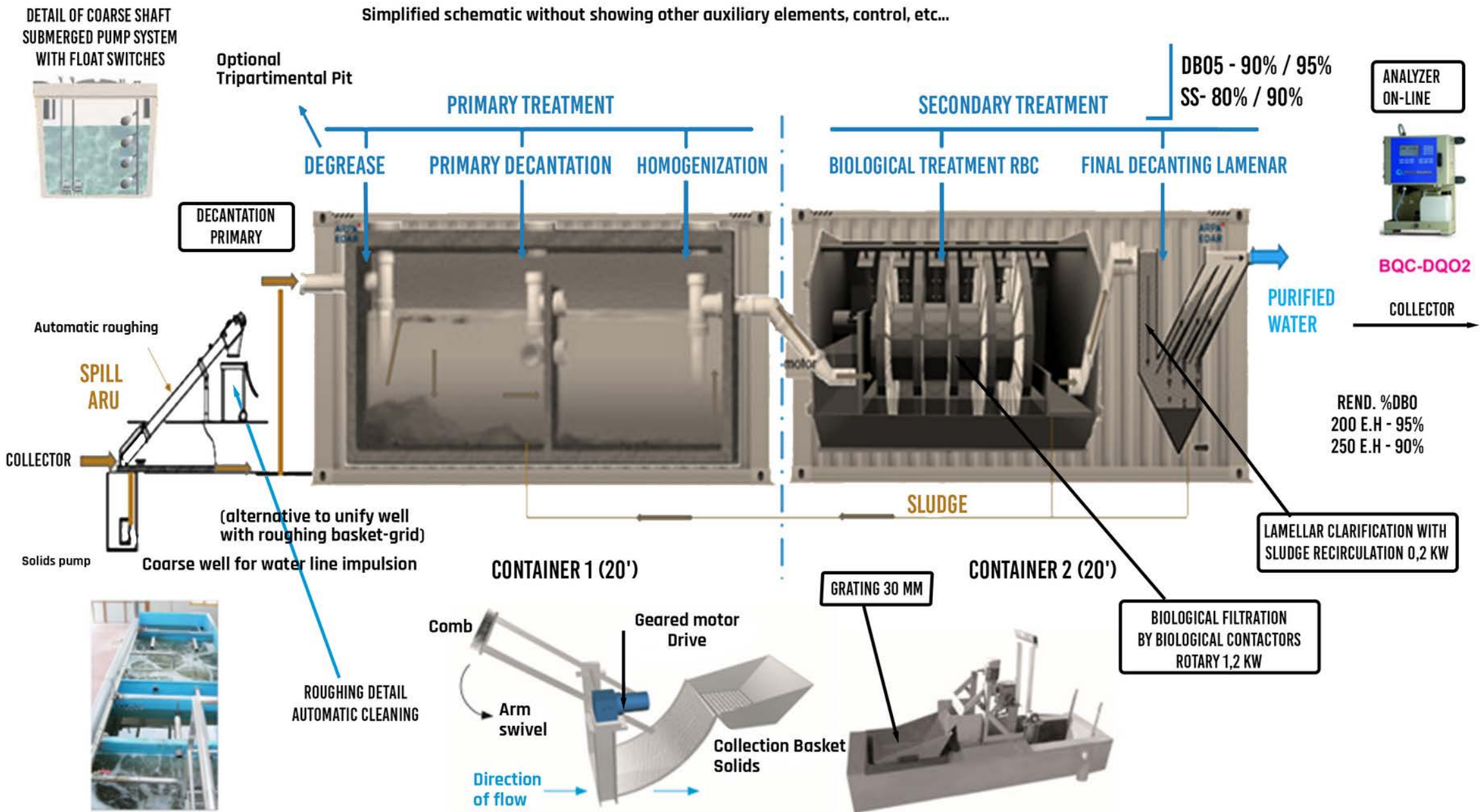


WWTP

in Modular Construction



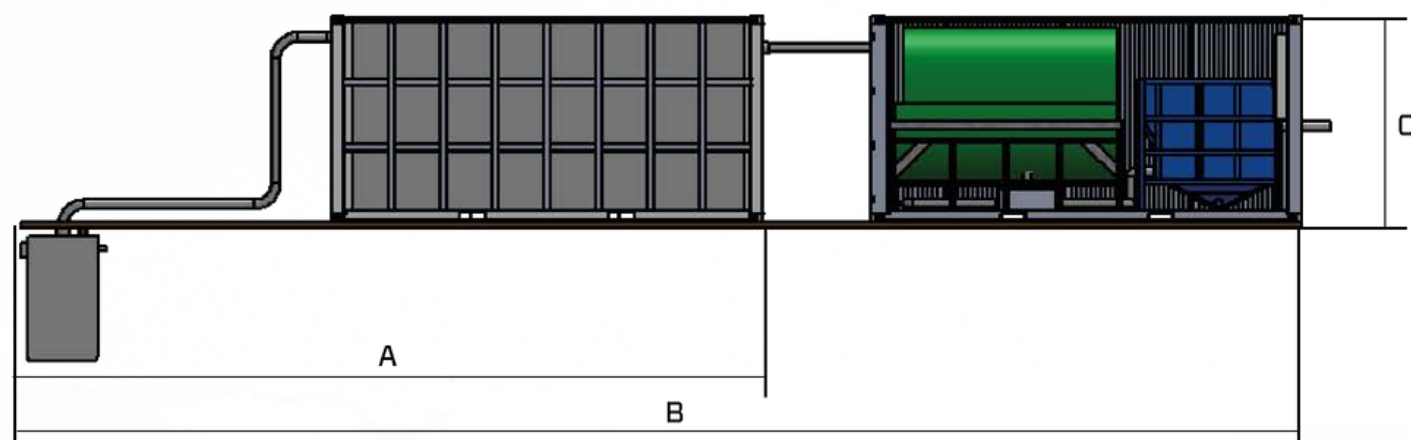
SCHEMATIC SOLUTION: CBR* 200-250 E.H CONTAINER 2X20' HC



Optimal configuration
from 150-200 PE to
2000 PE
Primary + Secondary
Solution

SECTION TABLE

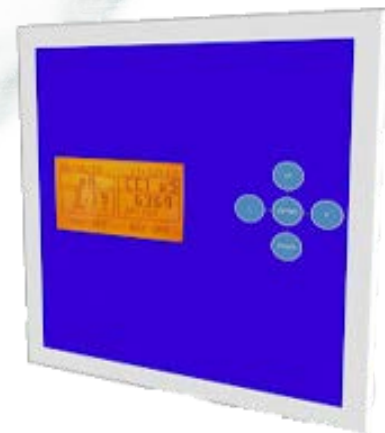
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Indicative table of models and dimensions

P.E.	A mm	B* mm	C mm	P width mm	% BOD5 removal	% SS removal	TECHNOLOGY	Automatic pretreatment	Model	Skid/Box
100	9000	16000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM100C	2x20'
	9000	16000	2800	6500	90%	85%		YES	AEPSBDA100C	2x20'
150	9000	16000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM150C	2x20'
	9000	16000	2800	6500	90%	85%		YES	AEPSBDA150C	2x20'
200	9000	16000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM200C	2x20'
	9000	16000	2800	6500	90%	85%		YES	AEPSBDA200C	2x20'
250	9000	16000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM250C	2x20'
	9000	16000	2800	6500	90%	85%		YES	AEPSBDA250C	2x20'
300	9000	16000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM300C	2x20'
	9000	16000	2800	6500	90%	85%		YES	AEPSBDA300C	2x20'
350	15000	21000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM350C	2x40'
	15000	21000	2800	6500	90%	85%		YES	AEPSBDA350C	2x40'
400	15000	21000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM400C	2x40'
	15000	21000	2800	6500	90%	85%		YES	AEPSBDA400C	2x40'
450	15000	21000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM450C	2x40'
	15000	21000	2800	6500	90%	85%		YES	AEPSBDA450C	2x40'
500	15000	21000	2800	6500	90%	85%	SEPTIC TANK • ROTATING BIOLOGICAL CONTACTORS	NO	AEPSBDM500C	2x40'
	15000	21000	2800	6500	90%	85%		YES	AEPSBDA500C	2x40'

*B. IN CASE OF LINEAL ARRANGEMENT. FOR SQUARED ARRANGEMENT. B=A AND P IS DOUBLED



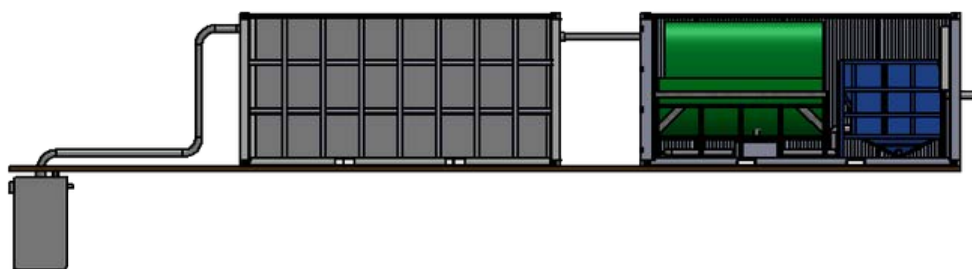
CONTINUOUS MONITORING:

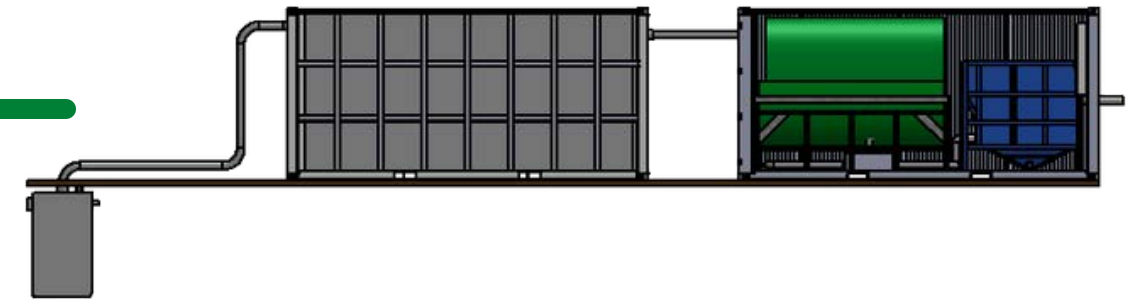
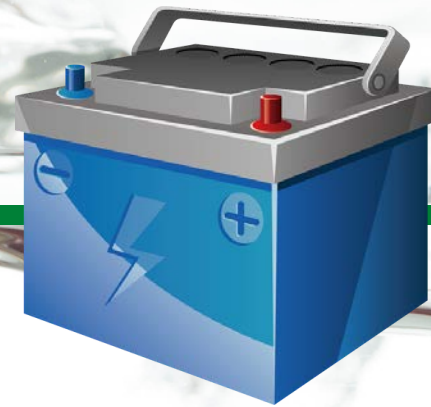
OBTAINING WATER CONTAMINATION DATA,
EXPRESSED IN BOD AND COD, AS WELL AS PH
DATA

MONITORING INCIDENTS AND WATER QUALITY
FROM YOUR CELL PHONE

MONITORING KIT

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Solar power and generators for off-grid environments

ENERGY KIT

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Among the **ADVANTAGES** of a containerized Wastewater Treatment Plant we can find:

- Compact, high-performance solution.
- Delivered ready for operation, factory balanced.
- No need for major works for installation and start-up.
- Autonomous operation reducing costs with the possibility of renewable kit.
- Easy maintenance as all systems are surface mounted.
- Can be operated remotely, facilitating the control of the system.

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