



Iran Modern Drinking water treatment plant



OPERON GROUP

Operon Group Pure Water Knowhow.

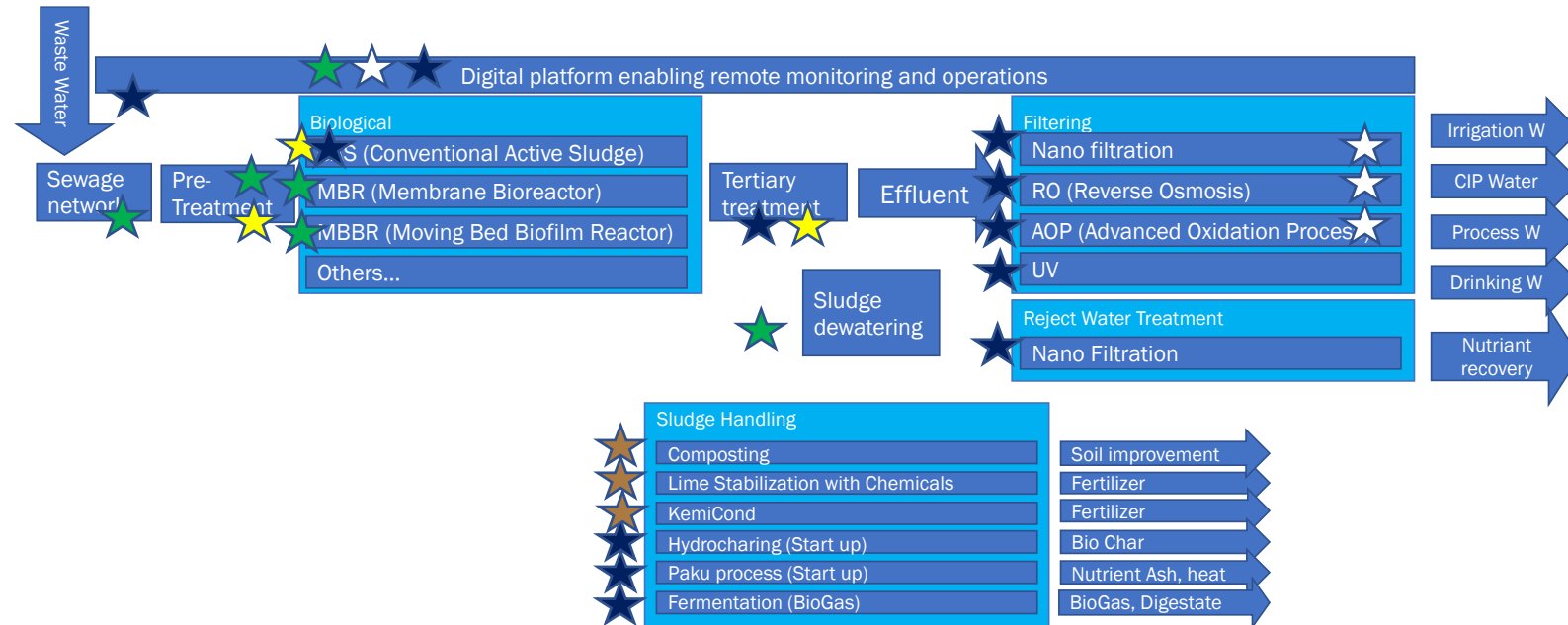


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Operon Group Ltd. In Nutshell

HOME:	FINLAND
TURNOVER:	10M€
MARKET:	INTERNATIONAL
PERSONNEL:	40 WATER SPECIALIST
OWNERSHIP:	INVESTMENT COMPANY: KEMIRA LTD AND MANAGEMENT
EXPERTISE:	WASTE WATER TREATMENT SLUDGE TREATMENT WATER RECYCLING DRINKING WATER SOLUTIONS CORROSION AND ODOUR PREVENTION SOLUTIONS IN SEWAGE SYSTEMS

Operon Group's operating environment



Role

- ★ Technology delivery
- ★ Process Operation
- ★ Sludge Handling
- ★ Technology Pilots
- ★ Partner opportunity

Most of the current activities are related to the traditional operation in waste water and sludge treatment as well as more advanced technology deliveries. There are also few research scale pilots.

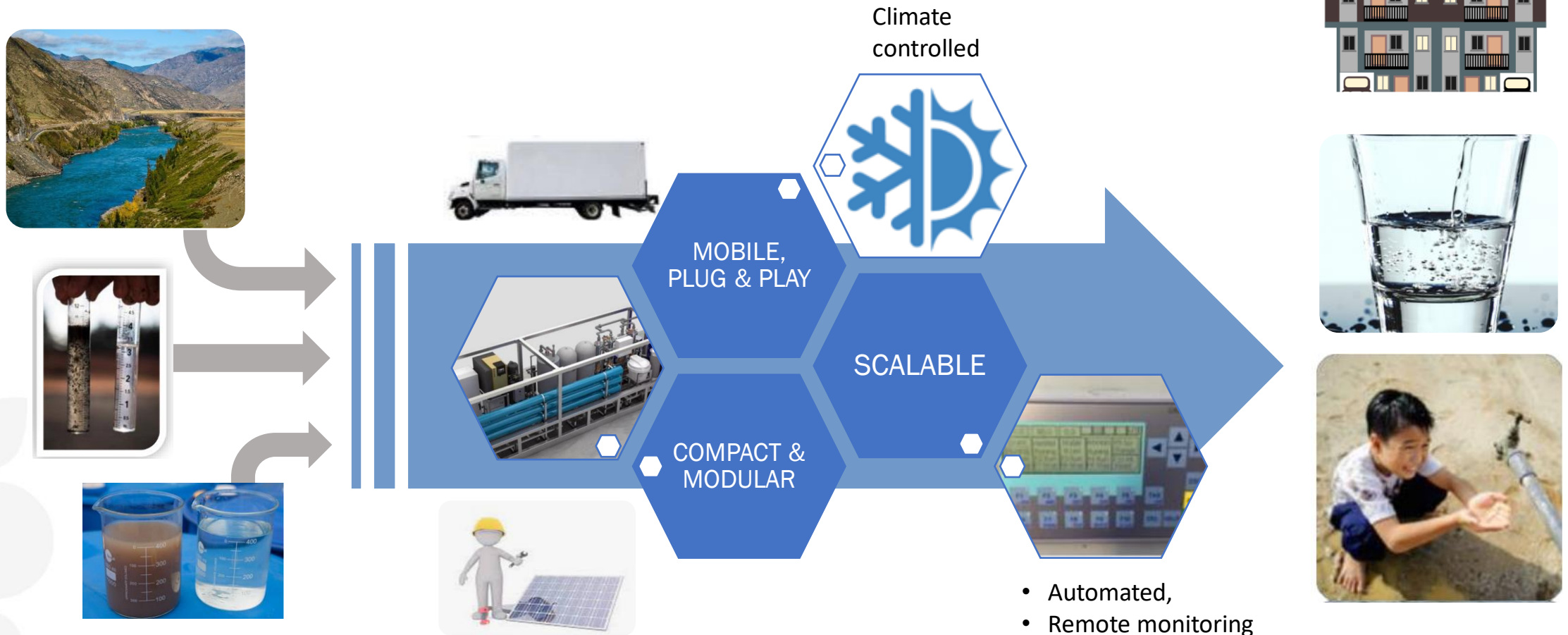
Clean Water Solution



**In Finland tap water is drinkable
everywhere.
Finland is chosen world number 1 tap
water country by Unesco**

**Our mission is to make drinking
water available for everyone**

Any water source can be treated to meet drinking water standards

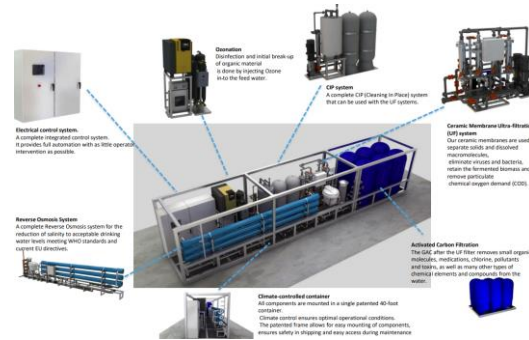


Turn key delivery steps

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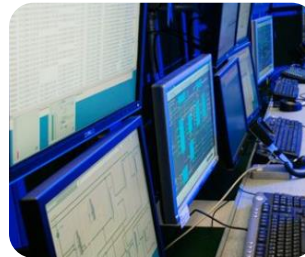
Quality of feed water

Installation location & capacity need



Modular design
based on feed water,
Capacity and
installation location

Spare parts service



Remote monitoring
& operation

Customer
training



Plug and play delivery

Key facts in brief

Capacity: Modular, 200 – 1500 m³/day
Power need: 0,2 – 0,4 kWh/m³ (surface water or ground water as feed)
Footprint: ~ 30 – 50 m² and up, depending on capacity and water
Delivery time: Min 5 months

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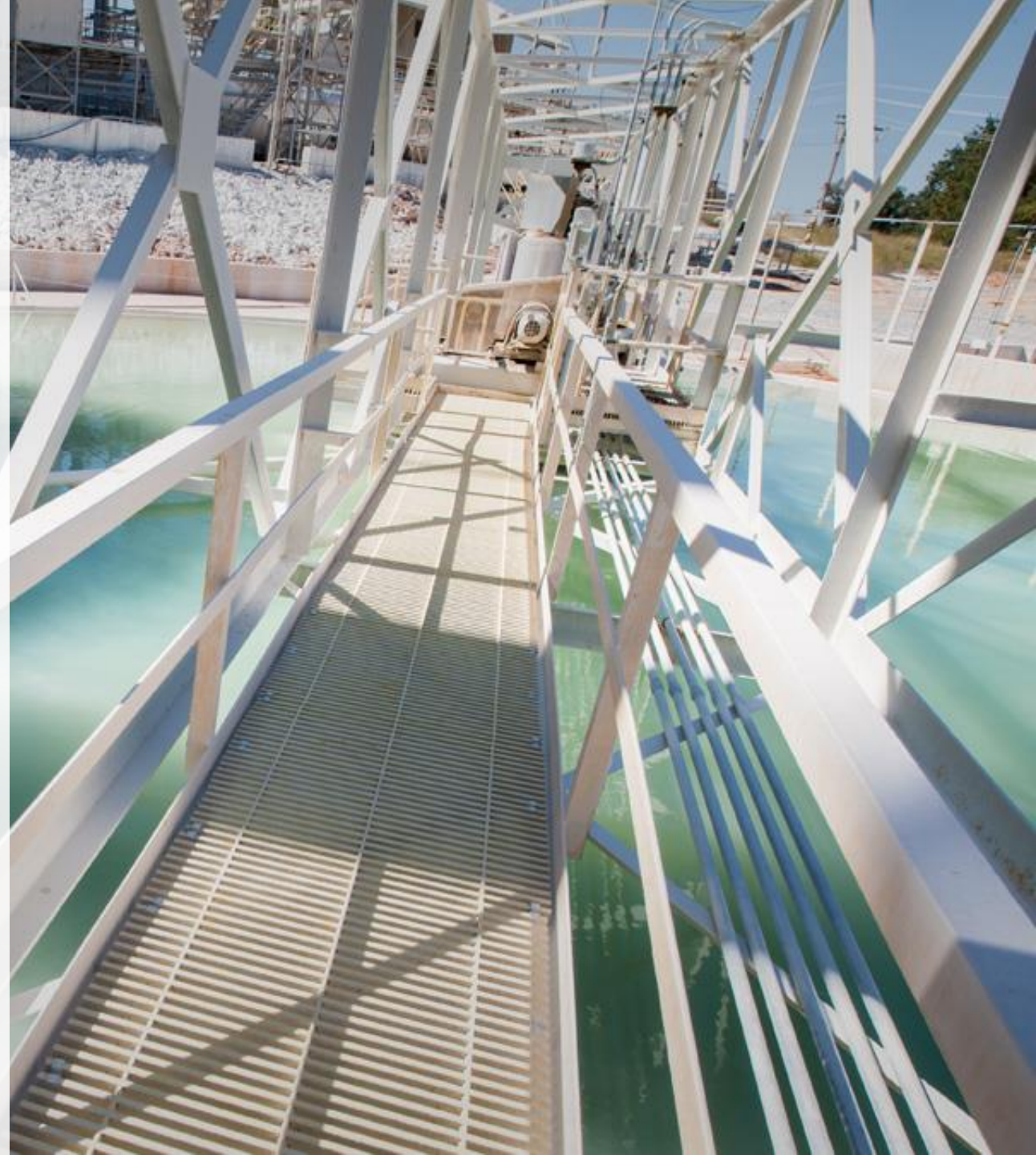
02630 Espoo

www.operongroup.fi



Operations references

Customer	Location	Contract period
Alcohol Production WWTP	Finland	2015 -
Dairy and Municipal WWTP	Finland	2002 -
Dairy and Municipal WWTP	Finland	2007 -
Slaughter house, Food Production and Municipal WWTP	Finland	2010 -
Food Production WWTP	Finland	2017 -
Cardboard and Municipal WWTP	Finland	2016 - 2017
Paper Industry and Municipal WWTP	Finland	2008 -
Laundry Plant WWTP	Finland	2014 -
Aluminum Industry WWTP	Finland	2003 -
Aluminum Industry WWTP	Netherlands	2007 -
Steel Industry WWTP	Finland	2005 - 2012
Steel Industry WWTP	Finland	2005 - 2013
Municipal WWTP	Finland	2013 -
Municipal WWTP	Finland	2010 - 2012
Municipal Drinking Water TP	Finland	2010 - 2012
Municipal WWTP Sludge Conditioning	Finland	2006 -
Municipal WWTP Sludge Conditioning	Finland	2008 - 2018
Municipal WWTP Maintenance	Finland	2014 -



Technology project references

Customer	Location	Contract period
Viitasaari WWTP MBR plant	Finland	2017 - 2019
Mikkeli WWTP MBR plant	Finland	Start-up 2020
Tampere Rahola WWTP Tertiary treatment	Finland	2017 - 2018
Siilinjärvi WWTP Tertiary treatment	Finland	2018 - 2019
Ristiina WWTP Tertiary container	Finland	2018 - 2019
Vihti WWTP Pretreatment	Finland	2017 - 2018
Vihti WWTP Sludge Dewatering	Finland	2019 - 2020
Mikkeli WWTP Effluent Disinfection	Finland	2010 -
Vihti WWTP Effluent Disinfection	Finland	2018 -
Mikkeli WWTP Sludge treatment	Finland	2011 -
Vihti WWTP Sludge treatment	Finland	2013 -
HSY Helsinki WWTP Sludge treatment	Finland	2014 -
Joensuu WWTP Sludge treatment	Finland	2020 -
Siuntio Sewer Odor and Corrosion removal	Finland	2013 -
Vihti Sewer Odor and Corrosion removal	Finland	2013 -
Mikkeli Sewer Odor and Corrosion removal	Finland	2013 -
Mäntsälä Sewer Odor and Corrosion removal	Finland	2013 -
Jyväskylä Sewer Odor and Corrosion removal	Finland	2014 -
Kotka Paper mill Sludge treatment	Finland	2013 - 2017





Pure Water Knowhow.



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The background of the slide features a close-up photograph of two hands cupped together, holding water. Water droplets are captured in mid-air, creating a dynamic and fresh visual. On the left side of the slide, there is a large, stylized white leaf graphic that partially overlaps the hands and the text area.

We are stronger together.

Operon Group – Environmentally friendly and cost efficient waste water treatment.

Operon Group is a forerunner in waste water treatment and offers for municipalities and industries wide selection of services. Offering includes operation and maintenance services, sludge handling and disposal and technology & process design and deliveries. Operon Group, which was formed from Aquazone Ltd, Kemira Operon Ltd and Suomen Ekolannoite Ltd, combines more than 30 years of water treatment expertise enabling offering covering the whole water treatment process. Operon Group's turnover is about 10MEUR and it employs 35 experts.

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