

Fast-Build Desalination



SWRO · BWRO · WWRO

Introduction of QT ENVIRO-TECH LTD

2026

www.iDesalt.com



Hidden Costs — Your Challenges?

01 Site Chaos

High civil works/installation cost. Uncontrolled Schedules.

QT SOLUTION

>80% Factory Pre-Assembled

Low civil works design, low installation design.

Reduce site construction time up to 60%

02 Performance doubts

Unsure about the quality and performance.

QT SOLUTION

Engineering Expertise

Matching different standards (ASME / CE / GB).

200+ successful references

03 High OPEX

In shortage of skilled operators and maintenance technicians, Data storage in chaos.

QT SOLUTION

Digital Water Plant

Lower operating requirement, record all data and operating actions.

Enhanced by AI agents



fastRO® SOLUTION PORTFOLIO

fastRO C/BWC

Medium-scale Containerized

Production Capacity

50 - 1,000 m³/day

Key Features

- Fast-build
- Low civil works & installation
- + Solar power

Applications

Hotels, Golf course
Construction site, Emergency
usage

✓ **50-70% vs traditional site-built**

fastRO Mega

Large-scale Containerized

Production Capacity

5,000 - 20,000 m³/day
(5 - 20 MLD)

Key Features

- Rapid deployment
- Expandable
- Low civil works & installation

Applications

Distributed Water Supply,
Municipal, Industry

✓ **Proven at 20 MLD Jorf
Lasfar**

fastRO Skid

Pre-fabricated Skid

Production Capacity

Up to 50,000 m³/day
(~50MLD)

Key Features

- SWRO/BWRO/WWRO
- Fast-build Skid Design
- + Digital Water Plant

Applications

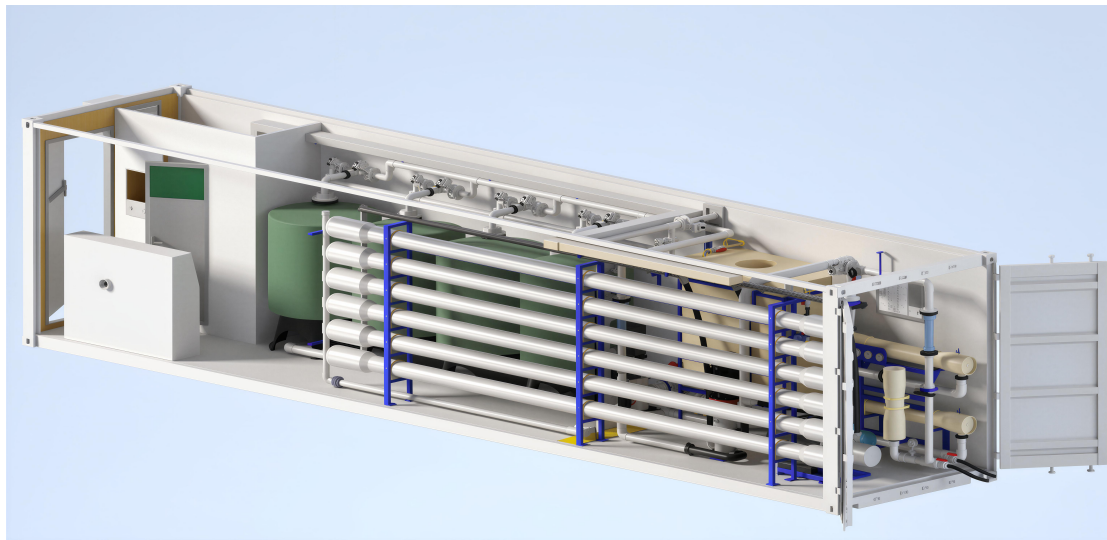
Municipal, Agriculture
Industrial

✓ **Proven technologies**



fastRO C/BWC: Containerized RO System

- ✓ **Capacity**
50 to 1,000 m³/day
- ✓ **Reliable**
Selected brands with 15 years experience
- ✓ **Fast Deployment**
Minimal site installation & construction



Applications



**Hotels &
Resorts/Islands**



Emergency/Mobile



Industrial

Successful using for Navy/Power Plant/Golf course/Residential



Power Plant - 500 m3/d



**Nuclear Power
Plant**

Application

10 Days

installation completed

500 m3/d

Daily Capacity



Nuclear Power Plant · Containerized design 500 m³/day · SWRO · 2021



Golf Course - 2,500 m³/day

2,500
m³/day total

CLEARWATER BAY GOLF CLUB

Configuration

1 × 1,000 m³/day

2 × 750 m³/day

Start-up

2022

- ✓ **Coastal-ready** — engineered for harsh seaside conditions
- ✓ **Civil works** ↓ 70% — no permanent buildings required
- ✓ **Brand-color customization** — equipment that blends, not intrudes



Remote Distributed Water Plant - n x 350 m³/day

REMOTE COASTAL DRINKING WATER

10+ UNITS

350 m³/day

Per container · × 10 = 3,500 m³/day total



 OMAN



Spain – 1,000 m³/day



INTERIOR · Walls removed — one shared space inside

2 x 40-ft containers. One share plantroom.

- 2 x 40' HC containers shipped FCL
- On-site Walls removed - one unified plant room with full operator access

EU Market

Europe Country

2x40'ft container Combo

more space

SPAIN

EU market



Project Gallery



Maldives mulyi 500CMD | 2024

✓ PV Integrated with SWRO



Colombo Power Plant 500CMD | 2021

✓ 365-day uptime through monsoon swings



Malaysia 2000m3/day | 2025



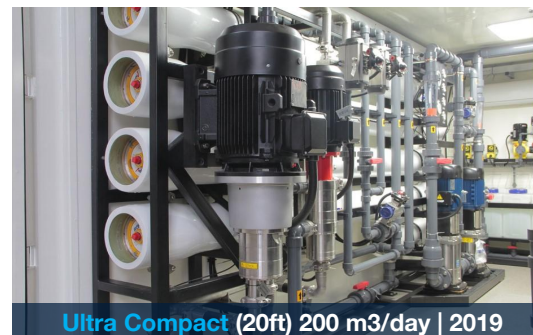
Maldives 1000 CMD | 2022

✓ Community water supply



China | 500m3/day | 2017

✓ Add capacity without rebuilding the plant
Capacity expansion under tight schedule



Ultra Compact (20ft) 200 m3/day | 2019



fastRO Mega: Large-Scale Containerized SWRO



Capacity

5,000 - 20,000+ m³/day (5 - 20+ MLD)



Modular

Containerized, most equipment pre-fabricated



Expansion

Add 4-5 containers for additional 5 MLD



Fast-deployment

Save up to 70% construction & installation time



Application



Distributed Water Plant



Emergency Water Supply

Save up to 60% construction & installation time



Flagship Mega - 20 MLD Containerized SWRO | Jorf Lasfar, Morocco



20 MLD

Daily Capacity

22 Containers

UF + SWRO Matrix

9 Months

completed

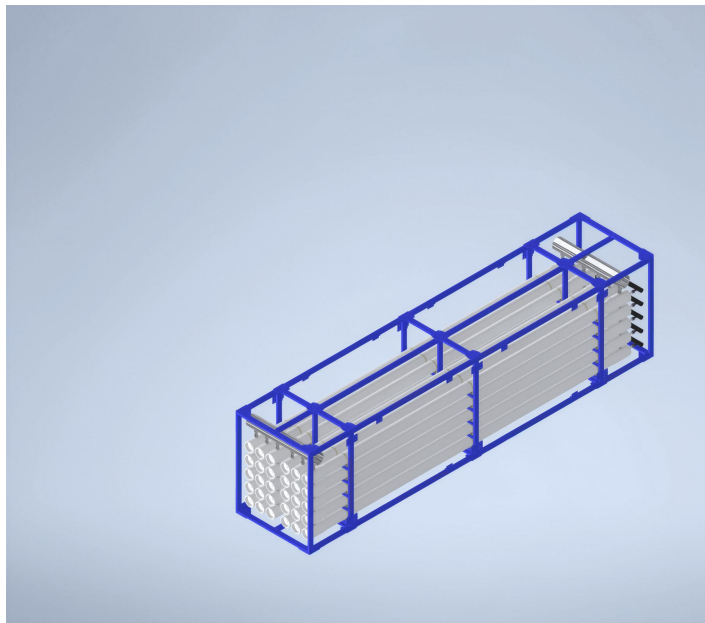
Service

Engineering & procurement
Installation Supervision



Scope Design · Manufacture | Full delivery, commissioning, training & long-term operation support

fastRO Skid: fast-build SWRO/BWRO/WWRO



- ✓ **Capacity**
on request
- ✓ **Fast-installation Skid Design**
Pre-fabricated Skid design
- ✓ **Customizing**
Process/Standard/Site condition
- ✓ **Low TCO**
High reliability, low OPEX
- ✓ **+ Digital Water Plant**
Digital Water Plant to lower OPEX and accumulate Data asset
- ✓ **Application**
Municipal / Industrial / Agriculture

Flagship: 50 MLD SWRO | 15MLD SWRO | 13MLD BWRO | 45MLD WWRO



MOROCCO 50 MLD · Drinking Water



50,400

m³/day

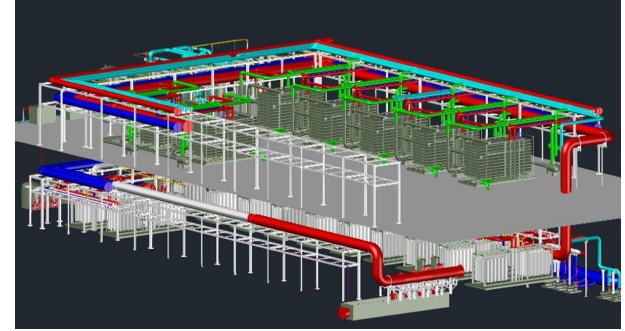
Start: 2026

Application: Municipal

Process: GSF + UF + SWRO



China 60 MLD · Waste Water Recycling



60,000

m³/day

Year: 2025

Location: Anhui/China

Process: Clarifier + UF + BWRO



Project Gallery (fastRO Skid)



Indonesia | Palm Oil Company

2,400 m³/day SWRO · 2020



2 x 600 m³/day SWRO · 2021

✓ BP Petro Company



Maratua Island 216 m³/day · 2013

✓ FIRST Project in Indonesia



Indonesia 1200 CMD | 2021

Kijing SEAPORT



Indonesia | 2800m³/day | 2017

✓ APP Kendari Power Plant



Harapan Island 430 m³/day SWRO

Islands water supply, 3L/S & 5L/S



Project Gallery (Customized)



13,000 m³/day MMF+2pass RO+MB
Boiler Water in Shandong
Product water: >10 MΩ



Toyota Power Plant 700 m³/day MMF +
RWRO



BWRO 2,000 m³/day · SAS Industrial process
water



300CMD

Garbage Leachate Treatment
2022
Tubular UF + RO



NF System · South
Africa · 2020

Wastewater Reuse system
Key Tech: NF



Morocco Agriculture

100 m³/day · BWRO

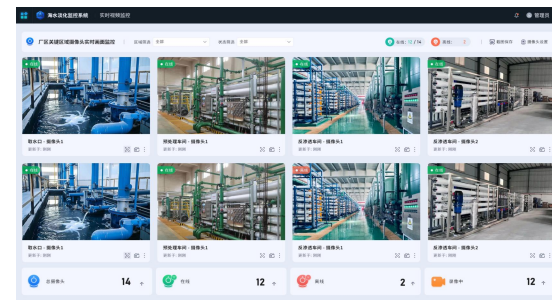
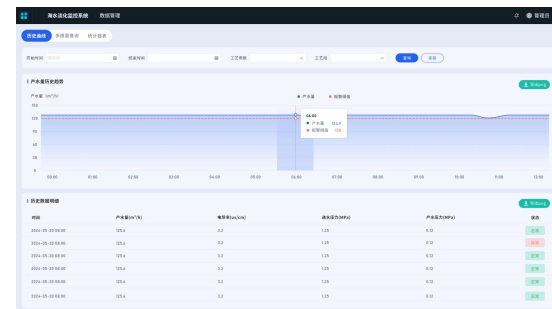
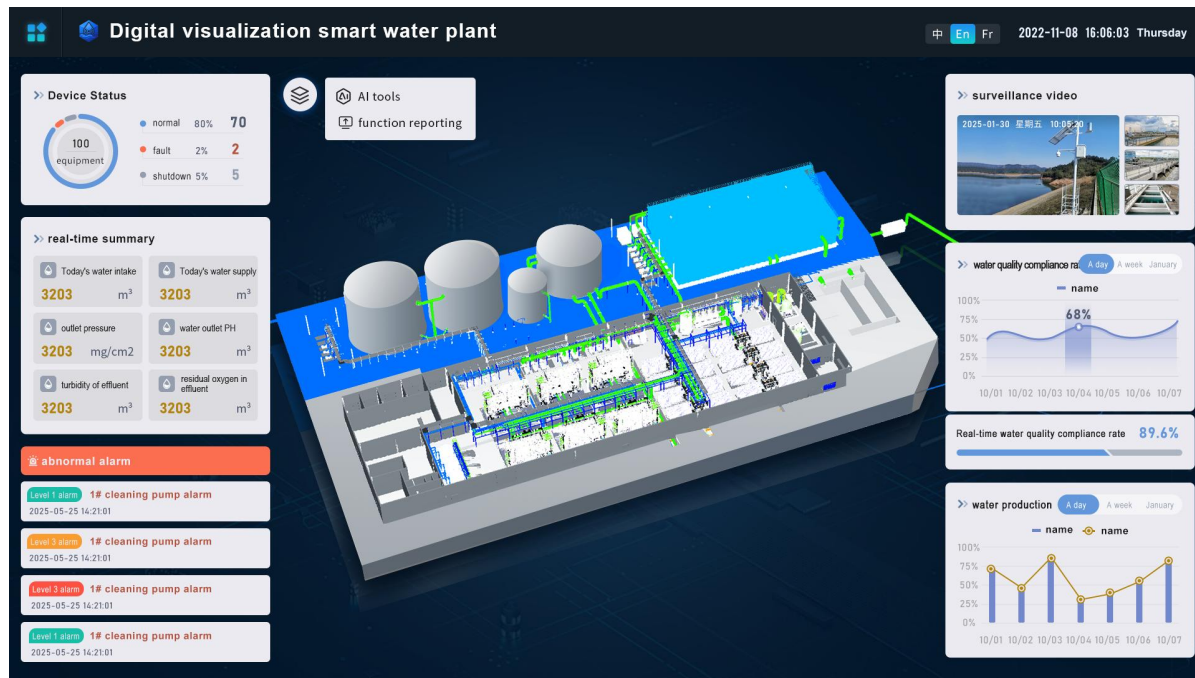


EDI Pakistan Power Plant
2x25MW

Ultra-pure water for power
generation



fastRO TWIN: Digital Water Plant for fastRO Mega/Skid



Digital asset

Process & operation data are recorded and analysed



AI Agent support

Energy/chemical optimization,
Equipment health precaution
Visual Security



Less requirement on manpower

Automatic work order dispatching



QT ENVIRO-TECH

Fast-build solution provider of SWRO / BWRO / WWRO
based in Suzhou City, China.



2011
Established

15+ Years Experience



100+
Global Projects

Delivered Worldwide



50 MLD
Max Capacity

Single Project Scale



20+
Countries

Asia, ME, Africa, Europe



40+
Engineers

Core Technical Team



ISO
Certified

9001 / 14001 / 45001

Our Mission: Processing Seawater & Wastewater into Valuable Resources. Delivered over 100+ successful projects across Asia, the Middle East, Africa, Europe, and South America.



Our Competitive Edge



Fast-Build Deployment

SPEED TO DELIVER

- Containerized pre-assembly in factory
- 2-week on-site installation (proven)
- Modular expansion without re-engineering
- Plug & Play: pre-tested before shipping



Cost Efficiency

TOTAL COST ADVANTAGE

- Reduced civil works & on-site labor
- Factory quality control lowers rework
- Integrated supply chain since 2011
- Standardized design reduces lead time



Full-Service Support

END-TO-END PARTNERSHIP

- Design, procurement, installation, commissioning
- Training and long-term operation support
- 40+ engineers for rapid technical response
- ISO 9001/14001/45001 certified processes



Facility Gallery

Factory-assembled, pre-tested and quality-verified before shipment.



Production Floor



Assembly Line



Container Integration



Quality Testing



KEY CLIENTS

Trusted by Industry Leaders

From national oil & mining groups to global electronics manufacturers



OCP · Veolia · BP · GE · SAS · BAOSTEEL · China Petroleum · HWTT · Shanghai Electric · TriTech · China Huaneng · Botian



Ready to Build Your Water Solution?



Free Technical Assessment

Share your raw water quality report and treatment goals. Our senior engineers will provide process recommendations and cost estimates within 3 business days.



Schedule Technical Meeting

Our expert team is ready to discuss your specific water challenges and explore the best solution together.

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