



KROSYS's COMPANY PROFILE





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Fresh Water Generator

Mobile RO Desalination Unit

Water Treatment Plant System

Offshore Engineering Service

Others

I. Company Profile





Overview

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PRODUCT	Reverse Osmosis Desalination System
COMPANY	KROSYS INC.
PRESIDENT	Jung Kyu PARK
ADDRESS	72-1 Sinsan st., Saha, Busan Tel : 82-51-220-9900 Fax : 82-51-220-9999
Email	krosys@krosys.com
WEB SITE	www.krosys.com

History

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1984~
1995

1996~
2007

2008~
Present

1984.Dec.
Kyung-Chang was established as an Enterprise

1985
Installed 1st commercial RO Unit at Dokdo Island

1993
Got type approval of RO FWG for Navy vessel

1994
Exclusive supply of RO FWG to Korean Navy

1999.Sep.
Takeover Pacmar Inc, seattle, WA for Fin-Stabilizer Business

2000
Renamed to KROSYS Inc.

2001
Registered as Core Defense Material Maker by MND (Ministry of National Defense)

2006.Dec.
Commendation of excellent security company (National Defense Security Command)

2010
Mobile RO Desalination unit (3,000LPH & 500LPH) for DSTA, Singapore

2013.Nov.
Swedish MJP signs water jet license production contract

2014.Feb.
Awarded contract for supplying Water Jet Propulsion System for RoK navy patrol vessels Supply of 4,800TPD Desalination unit for Prelude FLNG (Shell-Technic)

2020.Jun.
Takeover Pyeonghwa engineering Co.,Ltd For A.R.T(Anti rolling tanker)



KROSYS

Quality System

ISO 9001

KOREAN REGISTER



Certificate of Approval

Certificate No. : **A 0971**

Krosys Inc.

Head Office : 72-1, Sinsan-ro, Saha-gu, Busan, Korea

KR hereby certifies that the Quality Management System of the above organization has been audited and found to be in compliance with the requirements of the Management System standard and scope of certification detailed below.

MANAGEMENT SYSTEM STANDARD
KS Q ISO 9001:2015 ISO 9001:2015

SCOPE OF CERTIFICATION

- Design, Development and Production of Water Purification System
- Design, Development and Production of Anti-rolling System for Ships
- Production of Waterjet Propulsion System

Locations : Head Office
Auditor : BAEK Sookil, KIM Yangsun, MOON Jaehyun, PARK Hunjong
Date of Issue : 2023.02.21

Subject to the continued satisfactory operation of the organization's Quality Management System, this certificate is valid to 2024.02.03


KAB-QC-08


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES

The above Accreditation Mark proved that this certification body has been accredited by Korea Accreditation Board(KAB-QC-08)
KR Certification Center : 36, Myeonggi-ro, Saha-gu, Busan, Korea 47162 | Tel : 070-6799-8901, Fax : 070-6799-8913

ISO 14001

KOREAN REGISTER



Certificate of Approval

Certificate No. : **B 0971**

Krosys Inc.

Head Office : 72-1, Sinsan-ro, Saha-gu, Busan, Korea

KR hereby certifies that the Environmental Management System of the above organization has been assessed and found to be in compliance with the requirements of the Management System standard and scope of certification detailed below.

MANAGEMENT SYSTEM STANDARD
KS I ISO 14001 : 2015 ISO 14001 : 2015

SCOPE OF CERTIFICATION

- Design, Development and Production of Water Purification System
- Design, Development and Production of Anti-rolling System for Ships
- Production of Waterjet Propulsion System

Locations : Head Office
Auditor : BAEK Sookil, KIM Yangsun, MOON Jaehyun, PARK Hunjong
Date of Issue : 2023.02.21

Subject to the continued satisfactory operation of the organization's Environmental Management System, this certificate is valid to 2026.02.03


KAB-EC-19


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES

The above Accreditation Mark proved that this certification body was accredited by Korea Accreditation Board(KAB-EC-19)
KR Certification Center : 36, Myeonggi-ro, Saha-gu, Busan, Korea 47162 | Tel : 070-6799-8901, Fax : 070-6799-8913

ISO 45001

KOREAN REGISTER



Certificate of Approval

Certificate No. : **C 0971**

Krosys Inc.

Head Office : 72-1, Sinsan-ro, Saha-gu, Busan, Korea

KR hereby certifies that the Occupational Health and Safety Management System of the above organization has been assessed and found to be in compliance with the requirements of the Management System standard and scope of certification detailed below.

MANAGEMENT SYSTEM STANDARD
KS Q ISO 45001:2018 ISO 45001:2018

SCOPE OF CERTIFICATION

- Design, Development and Production of Water Purification System
- Design, Development and Production of Anti-rolling System for Ships
- Production of Waterjet Propulsion System

Locations : Head Office
Auditor : BAEK Sookil, KIM Yangsun, MOON Jaehyun, PARK Hunjong
Date of Issue : 2023.02.21

Subject to the continued satisfactory operation of the organization's Occupational Health and Safety Management System, this certificate is valid to 2026.02.03


KAB-OC-05


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES


KOREAN REGISTER
MEMBER OF INTERNATIONAL ASSOCIATION OF CLASSIFICATION SOCIETIES











The above Accreditation Mark proved that this certification body was accredited by Korea Accreditation Board(KAB-OC-05)
KR Certification Center : 36, Myeonggi-ro, Saha-gu, Busan, Korea 47162 | Tel : 070-6799-8901, Fax : 070-6799-8913



Location

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-  **KROSYS**
-  Busan Airport
-  Busan Station
-  Busan Newport
-  Haeundae
-  Hanjin Shipyard
-  STX Shipyard
-  Samsung Shipyard
-  Daewoo Shipyard
-  Hyundai Shipyard

II. Products & Service





Product & Service Line

01 > Fresh Water Generator

02 > Mobile RO Desalination Unit

03 > Water Treatment Plant System

04 > Offshore Engineering Service

05 > Others

Fresh Water Generator

■ For Offshore application

- Customer : Offshore Oil, Gas & Drilling
- Capacity : 50 ~ 100 ton/day
- All corrosion resistant and explosion-proof materials
- Major References
 - Doo-Sung Drilling Rig
 - CJ46-1000D
 - Ah-Yang Accommodation Barge
 - Gulmar Davinci



Fresh Water Generator

■ For Military application

- Customer : Navy and Coast Guard
- Capacity : 10 ~ 50 ton/day
- Exclusively supplying for the Navy and KCG ships/boats
- More than 500 units are supplied



Fresh Water Generator

- For Industrial application



Up to 2TPD



Up to 6TPD



Up to 300TPD





Product & Service Line

01 > Fresh Water Generator

02 > Mobile RO Desalination Unit

03 > Water Treatment Plant System

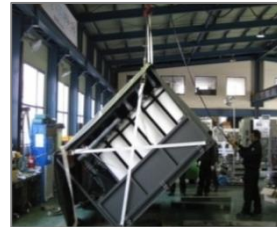
04 > Offshore Engineering Service

05 > Others

Mobile RO Desalination Unit

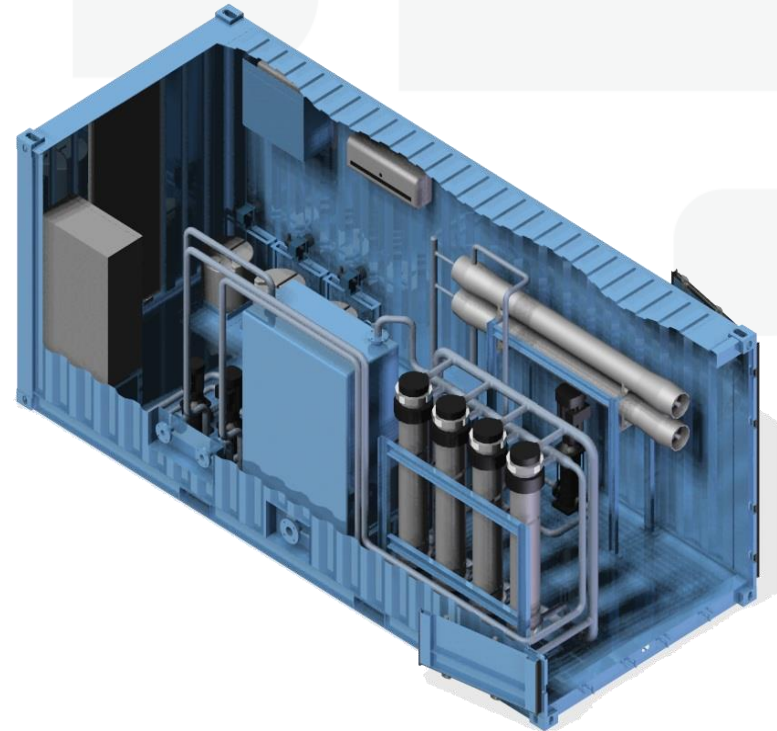
■ Truck & Trailer mounted type

- Truck/Trailer mounted, Containerized
- Fully self-contained automatic system
- Truck and Heli-portable type
- Drinking water supply from any polluted water including CBR warfare agents and seawater
- Supplied MWPU for military forces including Korea and Singapore



Mobile RO Desalination Unit

- **Containerized & Portable type**
- **Integrated in an ISO container of 20ft. or 40ft.**
- **Relief operations for the natural disaster**
- **Easy installation & operation**





Product & Service Line

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Water Treatment Plant System

■ SWRO System

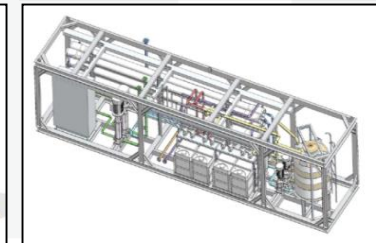
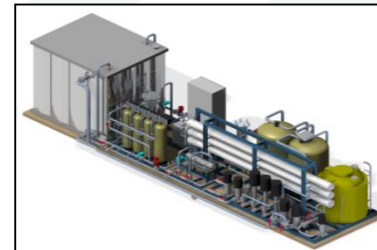
- Pure water production for various industrial processes and applications
- Production capacity up to 20,000 TPD



Water Treatment Plant System

■ BWRO System

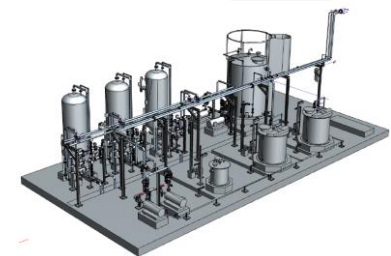
- Pure water production for various industrial processes and applications
- Production capacity up to 20,000 TPD



Water Treatment Plant System

■ ETC

- Pure water production for various industrial processes and applications
- Production capacity up to 20,000 TPD





Product & Service Line

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Offshore Engineering Service

■ Temporary Desalination Unit for Shell Prelude-FLNG Project

TPF-TDU Project	
Model	KRO-4800-SOD
Client	Technip France
Project	Prelude FLNG for SHELL
Capacity	1,200 ton/day*block x 4 blocks
Product quality	TDS: <5 ppm, DO: <100 ppb
Work Period	2013.09 ~ 2014.06
Scope of Work	Design, Construction, Supply & Installation



Offshore Engineering Service

■ On-site/Offshore Engineering Services

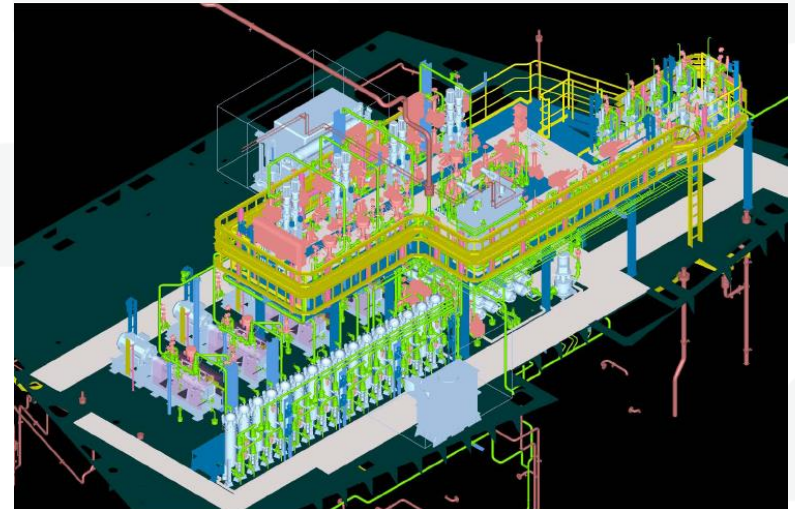
- Registered as Technical Supply Vendor of BHGE
- Technical support to solve problem during construction and commissioning.



Offshore work experience

■ Carry over works

FWG on HHI Goliat FPSO Project	
SKID	Fresh water Generator(HQ84)
Client	ENI
VENDOR	MEMBRANE
Work Period	2012. 10 ~ 2014.05
Scope of Work	Dismantling original skid. Design new structure, Construction, Supply & Installation main equipment. Material handling and preservation. Inspection and Test.





Product & Service Line

01 > Fresh Water Generator

02 > Mobile RO Desalination Unit

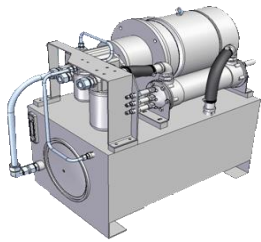
03 > Water Treatment Plant System

04 > Offshore Engineering Service

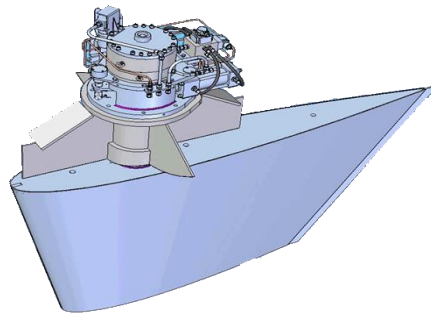
05 > Others

Fin Stabilizer

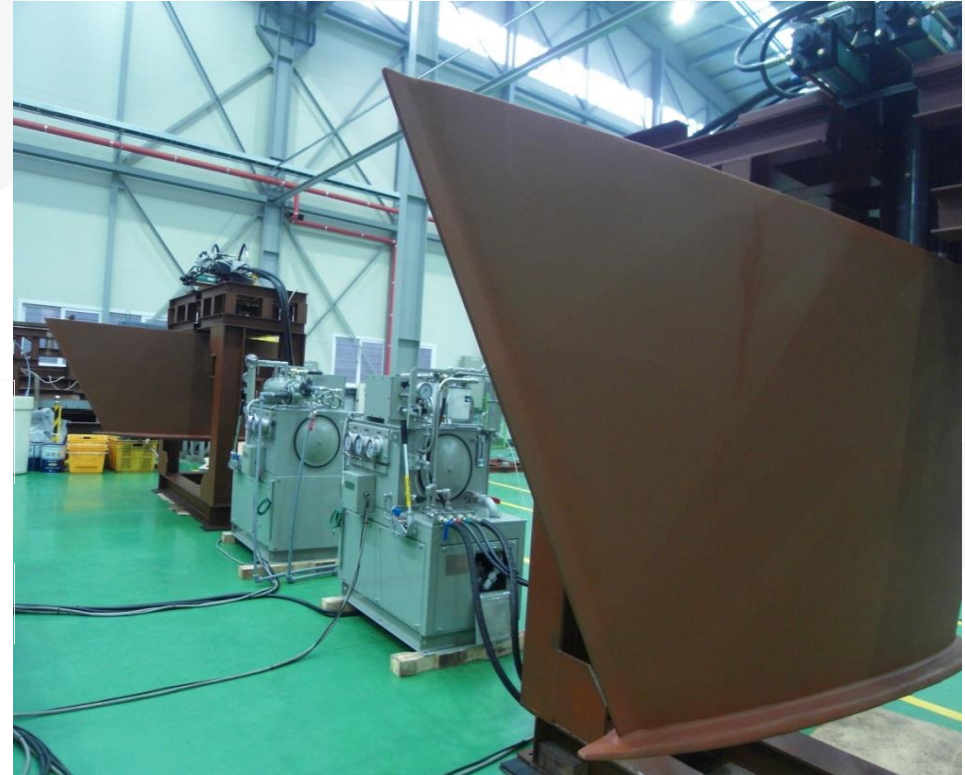
- Since 1999 onwards, Krosys takeover Pacmar Inc., Seattle WA
- Reference includes navy, KCG, other government agencies and major shipbuilders



Hydraulic Power Unit



Actuator & Blade



ART(Anti Rolling Tank)

- Acquisition of ART business from Pyeonghwa Engineering in 2020
Leap to a company specializing in ship anti rolling system
- Controllable Passive Type U-shaped tank,
Composed of air pipe valve, flow control plate and hydraulic equipment
- Efficiency calculation through Bench Test
- Delivered to various government ships such as Coast Guard and patrol ships



an air-tube valve



Hydraulic unit



Flow control tube



Water Jet Propulsion System

- High performing and localized jet system
- Designated as preferred bidder in PKX Project with MJP



Project for Social Contribution

■ Water Supply kit for Congo residents

- 2,000 water supply kits were supplied from 2013 to 2014 for Congo residents and offer them good quality water. This project was coordinated with Korea and Brazil companies. The supplied water kit treats raw well water as feed and produce treated potable water for drinking to residents.



Project for Social Contribution

■ Mobile Water treatment system as a disaster relief in Japan

- 100 Mobile water treatment systems were supplied to Japan after the TOHOKU earthquake and tsunami in 2011 . The systems were installed near polluted reservoir / river and each MWTS produced 5 ton per day clean water for drinking to the local population affected from the disaster.

크로스시스, 日피해지역에 정수장치 공급

입력 2011-03-24 17:29:52 | 수정 2011-03-25 11:56:30

100여대...대형설비도 제작키로

해수담수화장비 전문업체 크로스시스(대표 박종규)가 일본 도호쿠 지진해일 피해 지역의 비상 식수 공급을 위해 해수담수화장비(사진)를 이동형 정수장치로 개조, 대량 공급하기로 했다.



이 회사는 일본 도레이사로부터 정수용 필터를 공급받아 이동 정수장치를 조립, 센다이 등 지진 및 해일 피해 지역에 전달하기로 했다고 24일 밝혔다. 지진해일로 오염된 상수도과 강, 저수지 인근에 설치해 상수도로 사용토록 할 예정이다.

이창재 크로스시스 차장은 "일본 도레이사로부터 비상 식수의 정수장치 공급 요청을 받았다"며 "구호 차원에서 이윤없이 생산원가 이하로 이동 정수기를 공급하기로 했다"고 말했다.

이 회사는 우선 비상 식수로 활용토록 하기 위해 하루 5톤을 처리할 수 있는 장비 100여대를 보내고 100t 및 300t짜리 대형 장비도 제작, 공급하기로 했다. 또짜리 장비는 하루 250여명에 게 식수를 제공할 수 있다.

1974년 설립된 이 회사는 해수담수화장비를 국내외 용으로 연간 100여대를 공급하고 있다.



THANK YOU

