

▶ WASTEWATER TECHNOLOGY INNOVATION SINCE 1961



ISO 9001 : 2015
ISO 14001: 2015
ISO 31000: 2018
ISO 45001: 2018

- ▼ PROCESS DESIGN
- ▼ PLANT CONSTRUCTION
- ▼ PROJECT MANAGEMENT
- ▼ CONSULTING
- ▼ EQUIPMENT SUPPLY
- ▼ SERVICE AND OPERATION



- ▶ Hydroflux Epco is a water and wastewater business with over 1000 references dating back to 1961. It provides municipal clients and contractors a diverse range of solid liquid separation and biological treatment processes.

About us

- Hydroflux Epco offers a diverse range of wastewater technologies. This includes its proprietary technologies as well as exclusive partnerships with some of the world's leading technology suppliers.

These partnership include HUBER Technology, Organica, CNP, Aerostrip and more.

Hydroflux Epco's proprietary technologies include:

- Sewage Inlet Works Equipment
- Circular Clarifiers
- Anaerobic Digester Equipment
- Packaged Sewage Treatment Plants

Via the exclusive partnerships Hydroflux Epco offer:

- HUBER Screening and Grit Removal
- HUBER Sludge Processing Products
- AEROSTRIP® Fine Bubble Diffusers
- Organica Food Chain Reactor
- CNP AirPREX® Sludge Optimisation



HYDROFLUX epco

Exclusive Agents for:

HUBER
TECHNOLOGY
WASTE WATER Solutions

AEROSTRIP®
fine bubble diffusers by AQUACONSULT

 **ORGANICA**

WATER | SCIENCE | TECHNOLOGY

HyBAND[®]

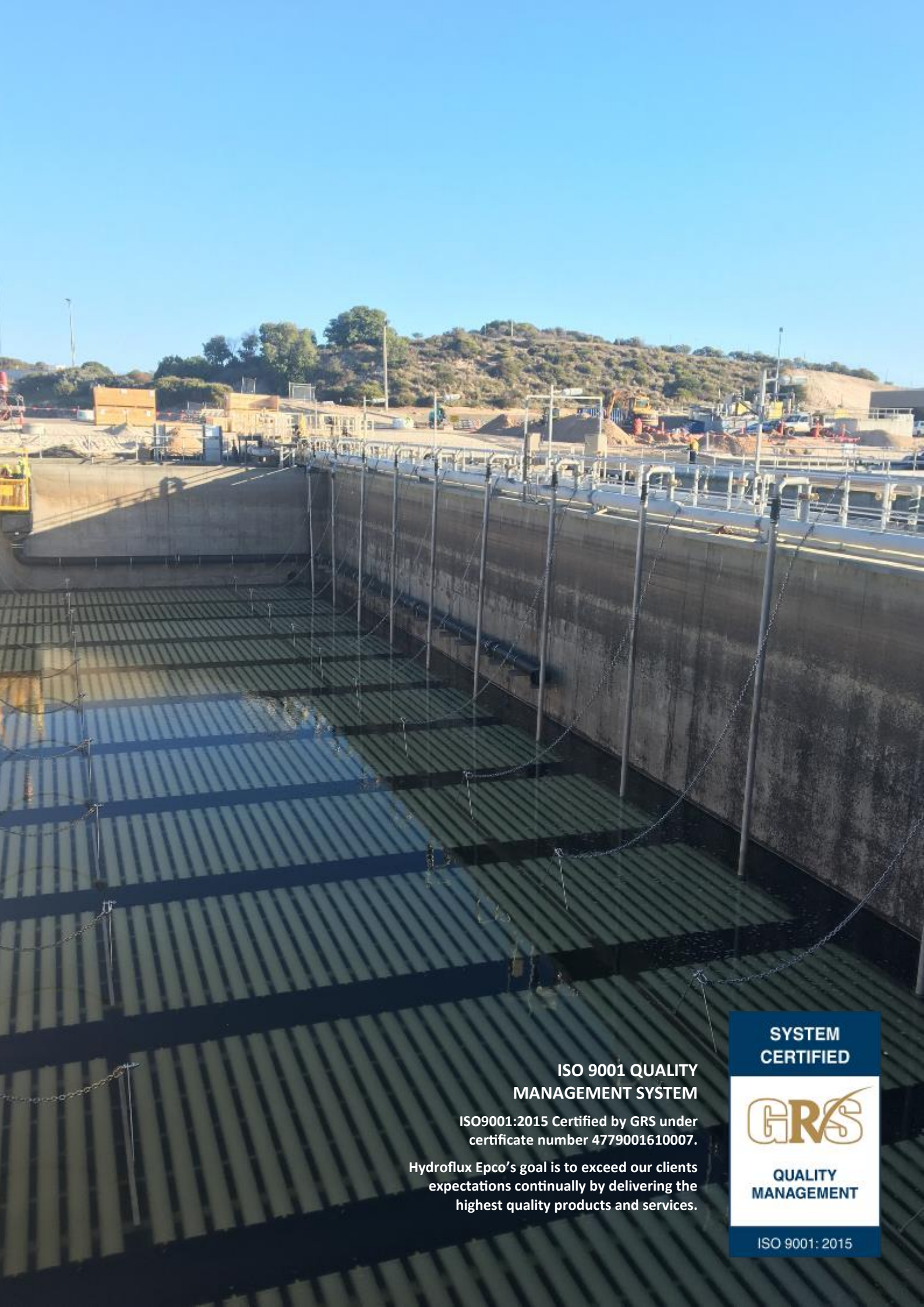
Efficiency in Screens

- HyBand[®] is a centre flow band screen used in the headworks of a municipal sewage treatment plant.

The centre flow profile means a large surface area is presented to the influent, resulting in a higher flow capacity and lower headloss when compared to other screen types.



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**ISO 9001 QUALITY
MANAGEMENT SYSTEM**

ISO9001:2015 Certified by GRS under
certificate number 4779001610007.

Hydroflux Epco's goal is to exceed our clients
expectations continually by delivering the
highest quality products and services.

**SYSTEM
CERTIFIED**



**QUALITY
MANAGEMENT**

ISO 9001: 2015

- Hydroflux Epco has extensive experience in screening systems, including all aspects of plant design and construction of complete systems

Including:

- ◆ Raked Bar screens
- ◆ Step screens/Band screens
- ◆ Pre-MBR Screens
- ◆ Pump Station screens
- ◆ Inclined Drum screens
- ◆ Rotary Drum screens
- ◆ Spiral screens
- ◆ Polishing screens
- ◆ Effluent disc filters
- ◆ Primary settlement screens



HUBER
TECHNOLOGY

- ▶ Our goal is to provide high performing, energy efficient equipment and technology for maximising life cycle value and reducing operational costs.



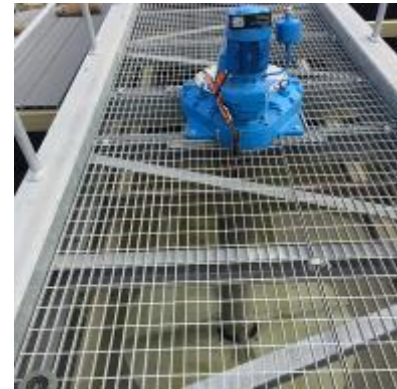
Maximising biogas production with high performance sludge thickening technology from HUBER Technology

HYDROFLUX
epco

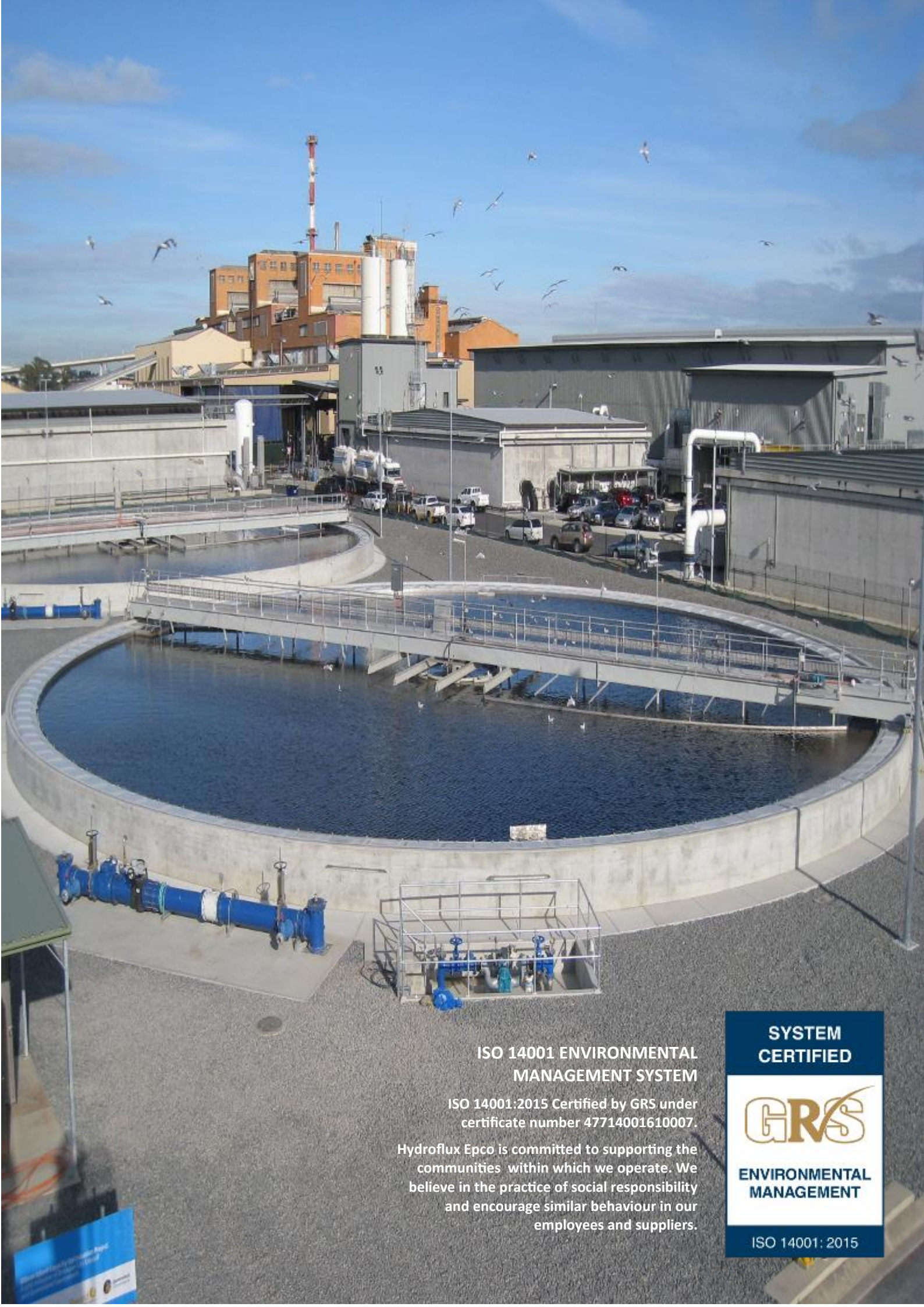
- Hydroflux EpcO has extensive experience in the design of grit removal systems

Including:

- ◆ Vortex Grit Removal Systems
- ◆ Longitudinal Grit Removal Systems
- ◆ HUBER RoSF3 Grit Classifiers
- ◆ HUBER RoSF4 Grit Washing Classifiers
- ◆ HUBER RoSF5 Grit Treatment Processes
- ◆ Grit screw conveying systems



HUBER
TECHNOLOGY



**ISO 14001 ENVIRONMENTAL
MANAGEMENT SYSTEM**

ISO 14001:2015 Certified by GRS under
certificate number 47714001610007.

Hydroflux Epco is committed to supporting the
communities within which we operate. We
believe in the practice of social responsibility
and encourage similar behaviour in our
employees and suppliers.

**SYSTEM
CERTIFIED**



**ENVIRONMENTAL
MANAGEMENT**

ISO 14001: 2015

Hydroflux Epco has extensive experience in sludge treatment systems, including all aspects of plant design and construction of complete systems.

- ◆ HUBER Disc thickeners
- ◆ HUBER Rotary Screw thickeners
- ◆ HUBER Rotary Screw Presses
- ◆ HUBER Belt Thickeners
- ◆ HUBER Solar Driers
- ◆ HUBER Strainpress® sludge screens

Applications for the HUBER range of sludge treatment equipment are numerous including; pre-digester screening, scum screens, primary and secondary sludge thickening, sludge dewatering and drying.



HUBER
TECHNOLOGY

Hydroflux Epco Clarifiers

Hydroflux Epco has provided over 330 clarifiers for water and wastewater treatment applications. We have developed a wealth of design knowledge for a wide range of applications.

Our circular clarifier technology includes:

- ◆ LogMax® scraper systems
- ◆ VeeMax® scraper systems
- ◆ HeadMax® sludge removal systems
- ◆ FlocWell™ Inlet arrangement
- ◆ EdiGate® EDI
- ◆ Scum Removal Systems
- ◆ CleanSweep® launder clearing
- ◆ CoverSweep® launder covers
- ◆ Stamford Baffles
- ◆ HiFlow™ Lamella clarifiers

Applications include raw water treatment, primary, secondary and tertiary treatment in sewage and industrial sites



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- ▶ We offer a wide range of wastewater technologies and packages—these include inlet works systems, aeration systems, sludge treatment, digester technology and clarifiers



Grit Treatment and Digester Pre-Screening at one of Australia's largest sewage treatment plants

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Hydroflux Epco has provided equipment for anaerobic digesters in over 80 sites across Australia and South East Asia, including

- ◆ BioCap® Digester Fixed Covers
- ◆ BioCap® Digester Floating Covers
- ◆ LanceMix® Sludge Mixing Systems
- ◆ FlareWell® Gas Flares
- ◆ Heat Exchange Packages
- ◆ Pre-screening systems
- ◆ Pre-thickening systems

We can offer turnkey packages including ancillaries and site works.



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Hydroflux Epco has provided over 200 RoadTrain® packaged sewage treatment plants. Process options include activated sludge, rotating biological contactors and membrane bioreactors. Applications include:

- ◆ Small towns and villages
- ◆ Remote villages and communities
- ◆ Mine Sites
- ◆ Resorts
- ◆ Developments

RoadTrain® is specifically designed for remote locations where both a robust mechanical and process solution is required.

RoadTrain® has been exported to PNG, Fiji, Indonesia, New Zealand and Oman.



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**ISO 45001
SAFETY MANAGEMENT SYSTEM**

ISO 45001 Certified by GRS under
certificate number 4774801610007

Hydroflux Epco is firmly committed to work activities being carried out safely, and with all appropriate measures taken to remove risks to the health, safety and welfare of all employees, contractors, authorised visitors, and anyone else who may be affected by our operations.

**SYSTEM
CERTIFIED**



**OCCUPATIONAL
HEALTH & SAFETY
MANAGEMENT**

ISO 45001:2018

▼ AEROSTRIP® Diffusers by AquaConsult of Austria have been in operation since the early 1990's and are providing significant benefits to numerous wastewater treatment plants with over 2000 installation worldwide including many industrial and municipal plants throughout Australia.

- Between 4.0—5.0 kgO₂/kW transfer efficiency.
- Ultra-Fine bubble size provides the highest transfer rates.
- Oxygen transfer efficiency up to 60%
- Non clogging design.
- PU membrane; long life (greater than 12 years).
- Multiple lengths and configurations allows for installation in any tank shape or size.



AEROSTRIP®

fine bubble diffusers by AQUACONSULT

- Organica is a natural treatment system combining conventional wastewater treatment technology with a botanic ecosystem. Organica uses plant roots that grow into the effluent, encouraging bacteria and living organisms to develop.

This creates a completely natural form of treatment providing significant reductions in space, energy use and operating costs.

An Organica plant is designed to look like a greenhouse or garden and is now available in the Australian market through Hydroflux.





Sludge optimisation with MAP-Removal in Wastewater Treatment Plants that utilise anaerobic digestion in their process.



A CNP plant in operation in Amsterdam

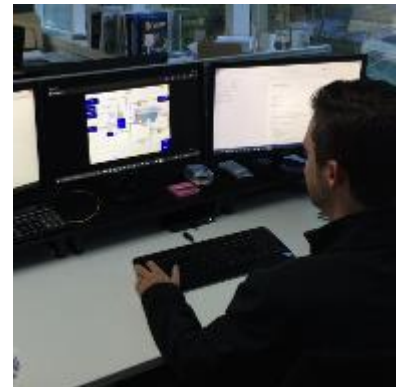
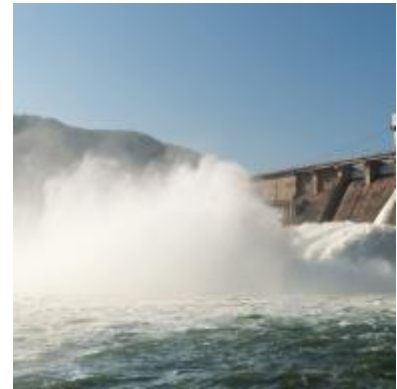
- ▶ CNP Technology Water and Biosolids Corporation designs and supplies systems for nutrient recovery and sludge optimization. Led by a team of wastewater industry veterans and supported globally by engineers with decades of experience in biosolids treatment, CNP continues to pioneer.

Our Services

- Engaging a professional wastewater treatment company to look after your entire wastewater project is a convenient, economical and hassle free option for industry.

Hydroflux Epco can provide all process design works, manufacture & fabrication, construction and even via subsidiary companies, the complete operation of your wastewater treatment plant.

When Hydroflux Epco provides complete solutions, we can either undertake a contract on a turnkey basis or work together with building services engineers and other construction professionals to ensure that the project is delivered smoothly, without interruption and on time.



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Hydroflux EPCO is GRS Certified to the following standards

ISO 45001 SAFETY MANAGEMENT SYSTEM



Certificate Number: 4774801610007

ISO 14001 ENVIRONMENTAL MANAGEMENT SYSTEM



Certificate Number: 47714001610007

ISO 9001 QUALITY MANAGEMENT SYSTEM



Certificate Number: 4779001610007

ISO 31000 RISK MANAGEMENT SYSTEMS



Certificate Number: 477310006176001

LogMax®, VeeMax®, HeadMax®, CoverSweep®, CleanSweep®, RoadTrain®, HyBand®, BioCap®, LanceMix®, FlareWell® & EPCO® are all registered trademarks of Hydroflux Epco Pty Ltd

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