

SUSTAINABLE WATER TREATMENT PROJECTS

Your reliable partner for dosing and disinfection



be
think
innovate

GRUNDFOS 

**“FROM PLANNING TO RELIABLE
DELIVERY, INSTALLATION AND
STARTUP – OUR TEAM COMBINES
TECHNICAL ENGINEERING EXPERTISE
WITH INTERCULTURAL COMPETENCIES
AND MANY YEARS OF EXPERIENCE.”**

Henrik Sonesson,
Group Senior Vice President



DID YOU KNOW...

- › ...that Grundfos has its own plant & process engineering force for water treatment projects?
- › ...that the **Alldos Eichler KG** became a Grundfos company in 2005 having installed and commissioned systems worldwide for more than 30 years?
- › ...that we convert our supreme dosing & disinfection products into uniquely tailored systems according to your requirements?
- › ...that we are your one-stop partner for solutions that require complex engineering and in-depth process know-how?



YOUR POWERFUL PARTNER

Grundfos assists you with both smaller custom solutions and the planning of complex water treatment systems.

With our knowledge of market requirements and guidelines across different fields, as well as the latest product developments and system solutions, we are your experts for all-in-one tailored solutions.

Our portfolio includes the entire spectrum of disinfection technologies and chemical treatment of water:

DISINFECTION TECHNOLOGIES

- > Electrochlorination
- > Chlorine gas
- > Chlorine dioxide

CHEMICAL TREATMENT

- > Flocculation
- > Coagulation
- > pH Correction

YOUR EXPERTS FOR:

- > DRINKING WATER TREATMENT
- > WASTEWATER TREATMENT
- > PROCESS WATER TREATMENT
- > COOLING WATER TREATMENT
- > BOILER FEED WATER TREATMENT



CONSULTING AND ASSESSMENT

- › Feasibility studies
- › Cost and benefit analyses
- › Risk management

PROJECT IMPLEMENTATION

- › Planning
- › Installation and start-up
- › On-site training


AFTER SALES SERVICE

- › Spare parts
- › Further training
- › Maintenance and service

YOUR PERFECT SOLUTION

Made in Germany – with the highest standards in quality, just like our products and services. Our reliable, proven methods in research, development and production ensure outstanding solutions.

Production at our German locations allows us to respond quickly and flexibly to your requests.



“GRUNDFOS’ ABILITY TO PROVIDE THE ENTIRE PACKAGE FROM A SINGLE FACILITY ON A REASONABLE COMMERCIAL BASIS OFFERED AECOM THE BEST VALUE-FOR-MONEY SOLUTION FOR THE PROJECT.”

Barry Hennigan,
Aecom Design Build Ireland Ltd

GRUNDFOS PROVIDES CLEAN TAP WATER FOR HALF A MILLION PEOPLE

THE CHALLENGE:

The Leixlip water treatment plant supplies the growing Greater Dublin region with water. Improved water treatment facilities are necessary to provide safe drinking water for existing and future Dublin inhabitants. Therefore it needed to be extended, capable of treating an additional capacity of 80 million litres water per day.

THE GRUNDFOS SOLUTION:

We delivered a complete customized solution for the required water treatment process. The solution includes:

- 2 Selcoperm on-site hypochlorite generating systems with a capacity of 13.5 kg/h each
- 1 Polydos preparation unit
- 1 PAC system for activated carbon
- 4 dosing skids for various chemicals

We also supplied the complete electrical hardware and cabinets, followed by the commissioning and training of the staff.



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DOSING SKID



PREPARATION UNIT



ON-SITE HYPOCHLORITE GENERATING SYSTEM



THE RESULT:

Grundfos has successfully implemented this new on-site hypochlorite generation technology, which has fewer safety requirements than chlorine gas based systems. We could deliver a complete solution that covered the end-user's water treatment and chemical preparation needs and ensured safe drinking water for 500.000 people.

Dosing Pumps,
Measurement &
Control, and
Disinfection Systems



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