



**INDUSTRY &
SERVICES**

**Our service.
Waterproof.**



De Watergroep
WATER. TODAY AND TOMORROW.



De Watergroep
WATER. TODAY AND TOMORROW.

What can the business unit Industry & Services do for you?

Our service. Waterproof.

100 years of experience in water has made De Watergroep a reliable partner for water management in your company:

- customised water treatment
- innovative water techniques
- an overall concept (DBFO: Design, Build, Finance & Operate).



De Watergroep
WATER. TODAY AND TOMORROW.

Design, Build, Finance & Operate

For most companies, the production and purification of customised process water is not a core activity, which is why we are happy to offer our **experience and knowledge** in this specialised field.

De Watergroep offers a **wide range of services** and can implement projects **tailored to the specific needs of your company**.

We map out the **internal flows of your business and provide alternatives based** on the resources already available in order to optimise your water requirements. This may lead to significant savings on the pumping, treatment and discharge of water. These alternative resources can be ground water or surface water, but also waste water or recycled industrial water.

We build customised water plants that ensure that required water quality standards are met, and also **assume the financial and operational risks** involved. In addition, we take responsibility for laboratory analyses and can provide help in preparing specifications and technical sheets for water infrastructures.

Experience in the supply of process water in various branches of industry

Over the past years, De Watergroep has already built several water processing plants in numerous industries, including the chemical industry, food industry, textile industry etc. This brochure contains a selection of various case scenarios.

Also visit our website at: www.dewatergroep.be/industriewater





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Project



Farm Frites Lommel

BRANCH OF INDUSTRY

food industry: potato processing

RAW WATER

biological effluent

DELIVERED WATER QUALITY

soft drinking water

PRODUCTION CAPACITY

40 m³/hr - 350,000 m³/yr

TECHNOLOGY

- ultrafiltration
- reverse osmosis
- disinfection

TYPE OF CONTRACT

Design, Build, Finance & Operate



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Project



Spano Oostrozebeke

BRANCH OF INDUSTRY

production and finishing of
wood fibre panels

RAW WATER

canal water (Ooigem-Roeselare canal)

DELIVERED WATER QUALITY

fine filtration water

PRODUCTION CAPACITY

55 m³/hr - 350,000 m³/yr

TECHNOLOGY

- intake construction
- fine filtration
- storage & disinfection

TYPE OF CONTRACT

Design, Build, Finance & Operate



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Project



Mobile pilot plant for BENE0 Leuven

BRANCH OF INDUSTRY

feasibility studies and pilot studies for the softening of drinking water

RAW WATER

shallow and deep ground water

DELIVERED WATER QUALITY

soft water (total hardness = 10°F)

PRODUCTION CAPACITY

5.6 m³/hr

TECHNOLOGY

- pellet reactor
- sand filtration

TYPE OF CONTRACT

on a contractual basis



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Rousselot
a VION company

Rousselot Gent

BRANCH OF INDUSTRY

food industry: production of
high-quality gelatine

RAW WATER

briny canal water (Gent-Terneuzen canal)

DELIVERED WATER QUALITY

demineralised drinking water

PRODUCTION CAPACITY

105 m³/hr - 750,000 m³/yr

TECHNOLOGY

- sand filtration
- ultrafiltration
- reverse osmosis

TYPE OF CONTRACT

Design, Build, Finance & Operate



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**Anheuser-
Busch Inbev
Leuven**

BRANCH OF INDUSTRY

brewery

RAW WATER

ground water

TECHNOLOGY

- regeneration of wells
- well drilling techniques used by De Watergroep: wash drilling, pulse drilling, hammer drilling

TYPE OF CONTRACT

on a contractual basis



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EOC Oudenaarde

BRANCH OF INDUSTRY

production of latex and glues

RAW WATER

shallow, non-vulnerable ground water

DELIVERED WATER QUALITY

process water

PRODUCTION CAPACITY

30 m³/hr - 175,000 m³/yr

TECHNOLOGY

- drilling and installing production wells for raw water pumping
- removal of iron and manganese by means of sand filtration

TYPE OF CONTRACT

Design, Build, Finance & Operate



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EASTMAN

**Eastman
Gent**

BRANCH OF INDUSTRY

chemical industry: production of
methylamines and derivatives

RAW WATER

briny canal water (Gent-Terneuzen canal)

DELIVERED WATER QUALITY

demineralised drinking water

PRODUCTION CAPACITY

96 m³/hr - 700,000 m³/yr

TECHNOLOGY

- pre-filtration
- micro filtration
- two-stage reverse osmosis

TYPE OF CONTRACT

Design, Build, Finance & Operate



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IncoPack Dilsen-Stokkem

BRANCH OF INDUSTRY

- food industry
- cream & desserts
- fish packaging

RAW WATER

mine draining water

DELIVERED WATER QUALITY

soft drinking water

PRODUCTION CAPACITY

40 m³/hr - 100,000 m³/yr

TECHNOLOGY

UV light disinfection

TYPE OF CONTRACT

Design, Build, Finance & Operate



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Citrique Belge
Innovatief & vooruitstrevend

Citrique Belge Tienen

BRANCH OF INDUSTRY

production of citric acid

RAW WATER

surface water

DELIVERED WATER QUALITY

cooling water

PRODUCTION CAPACITY

350 m³/hr - 1,700,000 m³/yr

TECHNOLOGY

- intake construction
- fine filtration
- conditioning
- open cooling towers
- cooling machines

TYPE OF CONTRACT

- Design, Build, Finance & Operate



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BRAVI[®]

Bravi Sint-Truiden

BRANCH OF INDUSTRY

food industry: potato processing

RAW WATER

biological effluent

DELIVERED WATER QUALITY

soft and lowly mineralised drinking water

PRODUCTION CAPACITY

13 m³/hr - 105,000 m³/yr

TECHNOLOGY

- in-out ultrafiltration
- reverse osmosis

TYPE OF CONTRACT

Design, Build, Finance & Operate



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oleon
A NATURAL CHEMISTRY

Oleon Ghent

BRANCH OF INDUSTRY

special oils, fats and bakery products

RAW WATER

Gent-Terneuzen canal water

DELIVERED WATER QUALITY

soft and lowly mineralised drinking water

PRODUCTION CAPACITY

100 m³/hr - 800,000 m³/yr

TECHNOLOGY

- ultrafiltration by means of flocculation - coagulation
- reverse osmosis

TYPE OF CONTRACT

Design, Build, Finance & Operate



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 **FUJI OIL EUROPE**

Fuji Oil Ghent

BRANCH OF INDUSTRY

processing of animal fats and vegetable oils

RAW WATER

Gent-Terneuzen canal water

DELIVERED WATER QUALITY

soft drinking water

PRODUCTION CAPACITY

15 m³/hr - 100,000 m³/yr

TECHNOLOGY

- ultrafiltration by means of flocculation-coagulation
- reverse osmosis

TYPE OF CONTRACT

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Marine Harvest Pieters Brugge

BRANCH OF INDUSTRY

food industry: fresh, smoked, pre-packed, frozen and fried fish products

RAW WATER

ground water

DELIVERED WATER QUALITY

drinking water with increased salinity

PRODUCTION CAPACITY

10 m³/hr - 80,000 m³/yr

TECHNOLOGY

- drilling and installing production wells for raw water pumping
- treatment by filtrating activated carbon
- disinfection

TYPE OF CONTRACT

Design, Build & Operate



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Pepsico Veurne*

BRANCH OF INDUSTRY

food industry: potato processing

RAW WATER

biological effluent

DELIVERED WATER QUALITY

soft and lowly mineralised drinking water

PRODUCTION CAPACITY

25 m³/hr - 175 to 215,000 m³/yr

TECHNOLOGY

- out-in ultrafiltration
- reverse osmosis

TYPE OF CONTRACT

Design, Build, Finance & Operate

* in collaboration with drinking water company IWVA



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Mobile pilot plan

BRANCH OF INDUSTRY

feasibility studies and pilot studies with regard to water treatment in various branches of industry

RAW WATER

all kinds of water

DELIVERED WATER QUALITY

customised water

TECHNOLOGY

- pressure-driven membrane ultrafiltration
- submerged membrane filtration
- reverse osmosis

TYPE OF CONTRACT

on a contractual basis



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Alternative for ground water West Flanders

BRANCH OF INDUSTRY

companies in various branches
(textile, food ...)

RAW WATER

water from the river Scheldt

DELIVERED WATER QUALITY

- (soft) drinking water
- demineralised drinking water

PRODUCTION CAPACITY

255 m³/hr - 1,750,000 m³/yr

TECHNOLOGY

biological oxidation • ultrafiltration •
activated carbon • disinfection • softening •
reverse osmosis

TYPE OF CONTRACT

- Design, Build, Finance & Operate



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Colruyt Group Halle

BRANCH OF INDUSTRY

food industry

RAW WATER

biological effluent

DELIVERED WATER QUALITY

soft drinking water

PRODUCTION CAPACITY

10 m³/hr - 80,000 m³/yr

TECHNOLOGY

- ultrafiltration
- reverse osmosis
- disinfection

TYPE OF CONTRACT

Design, Build, Finance & Operate



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Colruyt Group Halle

BRANCH OF INDUSTRY

food industry

RAW WATER

rain water

DELIVERED WATER QUALITY

soft drinking water

PRODUCTION CAPACITY

4 m³/hr - 10,600 m³/yr

TECHNOLOGY

ultrafiltration, activated carbon filtration,
disinfection

TYPE OF CONTRACT

Design, Build & Operate



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Galibi Suriname

CUSTOMER

Ministry of Natural Resources

RAW WATER

well water

DELIVERED WATER QUALITY

drinking water

PRODUCTION CAPACITY

20 m³/h

TECHNOLOGY

- aeration
- multimedia filtration
- disinfection

TYPE OF CONTRACT

donation



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Mysore India

CUSTOMER

Mysore City, India

CONSULTANCY IN THE FOLLOWING AREAS:

- DMA network modelling
- Capital expenditure planning
- Distribution rehabilitation
- Design and layout of customer service center
- SCADA and communication set-up
- Operations and maintenance
- Active leakage control programme



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Commewijne Suriname

CUSTOMER

Suriname Water Company

RAW WATER

Suriname river water

DELIVERED WATER QUALITY

drinking water

PRODUCTION CAPACITY

500 m³/h

TECHNOLOGY

- ultrafiltration
- activated carbon filtration
- IEX
- disinfection

TYPE OF CONTRACT

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More information?

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