

# Mixing Solutions for Chemical Injection Package

PRO-DO-MIX's expertise in engineering and manufacturing vertical agitators for Chemical Preparation and Dosing Skids makes us able to meet the challenges of Chemical Injection within Oil & Gas Industry, providing a broad range of customized mixing solutions.

Our extensive process experience as well as multiple references worldwide make PRO-DO-MIX's agitators perfect for heavy duty chemical solution injection, preparation and storage within the Petrochemical Industry.

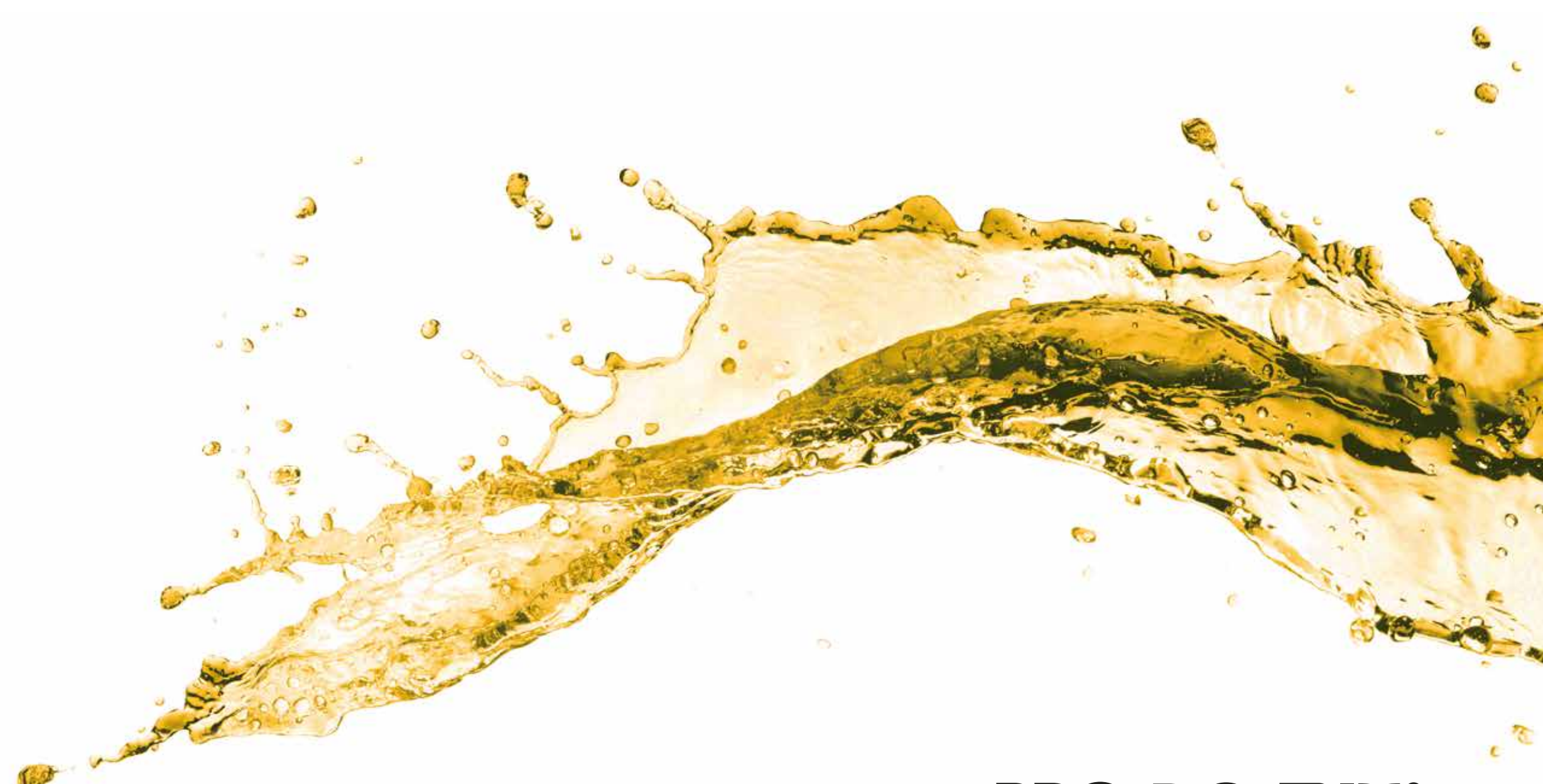


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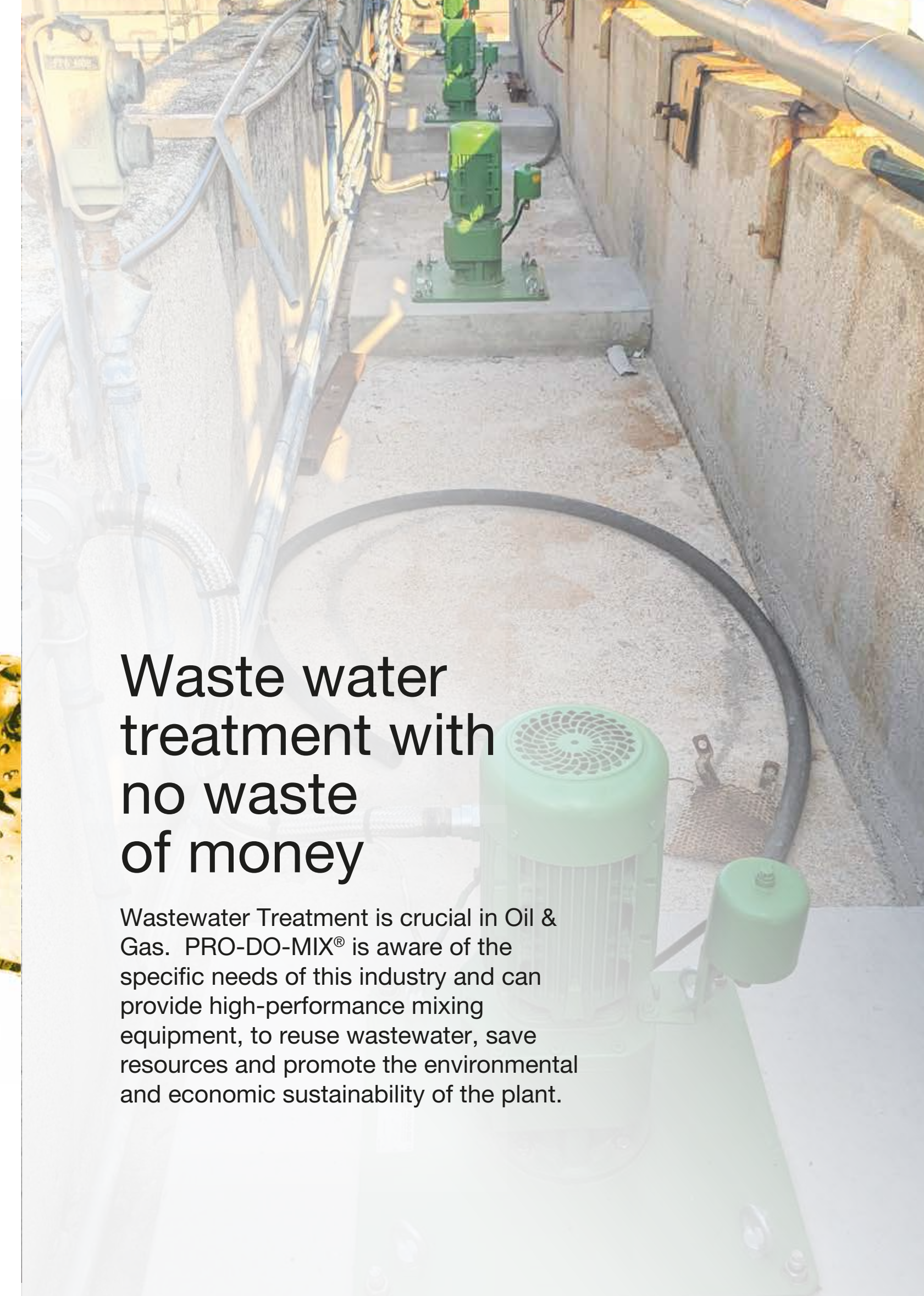
# oil & gas



**PRO-DO-mix®**  
PRODUZIONE DOSAGGIO MISCELAZIONE

## Waste water treatment with no waste of money

Wastewater Treatment is crucial in Oil & Gas. PRO-DO-MIX® is aware of the specific needs of this industry and can provide high-performance mixing equipment, to reuse wastewater, save resources and promote the environmental and economic sustainability of the plant.





### mounting flange:

- ASME B16,5 ANSI 150 / ANSI 300 RF / FF
- UNI PN10 / PN16

### wetted parts MOC:

- Stainless Steel SS 316L
- Duplex SS (SAF™ 2205) / Super Duplex SS (SAF™ 2507)
- Different linings (Halar® ECTFE, Ebonite rubber, etc.)
- 904L



## typical applications

Injection, preparation and storage of chemicals, e.g.:

- |                        |                             |
|------------------------|-----------------------------|
| - additives            | - hydrochloric acid         |
| - ammonia              | - lubricity improver        |
| - antifoam             | - neutralizing amine        |
| - antifouling          | - nutrients                 |
| - anti-oxidant         | - phosphate                 |
| - biocide              | - oxygen scavenger          |
| - calcium hypochlorite | - scale/corrosion inhibitor |
| - demulsifier          | - sodium hydroxide          |
| - dimethyl disulfide   | - sodium hypochlorite       |
| - hydrazine            | - trisodium phosphate       |

### bearing for shaft support:

- Welded house bearing MOC carbon steel painted or SS
- bottom guide bearing to be welded to the tank bottom

### impeller:

- marine propeller
- 4 pitched blade turbine
- high-efficiency profile
- each blade detachable
- multiple impeller levels

### drive unit painting:

- C5-I / C5-M
- according to client's project specifications

### agitator design and technical range

- Operation and compliance:
- direct or geared drive
  - different gearbox configurations and speed ratio according to the application
  - ATEX certified (2014/34/EU-ATEX for installation within hazardous environment (Potentially Explosive Atmosphere) II 2G IIB T4 II 2D c IIIB T135°C ambient temp. -20/+40°C



### sealing:

- radial shaft seal
- single or double mechanical seal
- stuffing box

### tank volume range

100 litre up to 30 m³



## Approved on:

