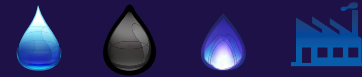


# Industrial Challenges



BEFORE

AFTER



DN250 SLUDGE WATER LINE



DN300 WATER TREATMENT PLANT



DN150 DRINKING WATER LINE



DN200 WATER COOLING LINE

## OIL, GAS & CHEMICAL PLANTS

- Gas transmission lines
- Process lines
- Service water lines
- Crude oil transmission lines
- Crude oil heaters
- Flow lines
- Water injection lines
- Multiphase lines
- Onshore and Offshore

## GEO-THERMAL FOSSIL / NUCLEAR POWER

- Brine re-injection lines
- Cooling water intake lines
- Fly ash slurry lines
- Boiler tubes
- Service water lines

## MINING, INDUSTRIAL AND MUNICIPAL WATER SYSTEMS

- Process lines
- Equipment cooling lines
- Transmission lines
- Underground drainage lines
- Water distribution lines
- Aqueducts
- Outfalls/Intakes

## ALUMINUM AND STEEL MANUFACTURING

- Process lines
- Coke oven gas lines
- B.O.F. cooling lines
- Wastewater lines
- Lagoon slurry lines



Reinhart  
Hydrocleaning SA



HYDROMECHANICAL CLEANING OF PIPELINES SINCE 1952



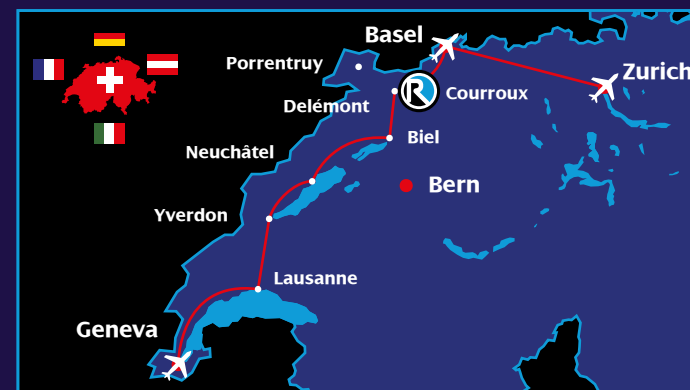
Reinhart Hydrocleaning SA Rue de la Croix 29  
CH - 2822 Courroux

Phone Administration +41 32 422 82 44  
Fax Administration +41 32 422 21 38

Email [info@rhc-sa.ch](mailto:info@rhc-sa.ch)  
Website [www.rhc-sa.ch](http://www.rhc-sa.ch)



REINHART HYDROCLEANING SA FACTORY



BY CAR : GENEVA 3H00 ZURICH 1H30 BASEL 45 MIN  
BY TRAIN : GENEVA 2H15 ZURICH 2H00 BASEL 1H00







# Reinhart Hydrocleaning SA

Highly specialized 'Hydromechanical Cleaning' Operation for pipelines

## HISTORY

The accumulation of 60 years of professional experience, product and method development, have led to the creation of a unique technology for internal cleaning of pipes and pipelines within many industries.

Reinhart Hydrocleaning SA offers a technology which is propelled by the fluid itself. Without hoses, cables or power connections, the device is able to restore hundreds of kilometers of piping and pipelines in a single continuous operation.



16" CRUDE OIL EXPORT PIPELINE



16" LATEX PRODUCTION PIPELINE

Reinhart's first step offshore in the oil & gas industry was in 1996. The experience acquired on-shore adapted to the new challenge let Reinhart develop a new way of off-shore pipe-cleaning. This new method supplies a never equaled cleaning quality.

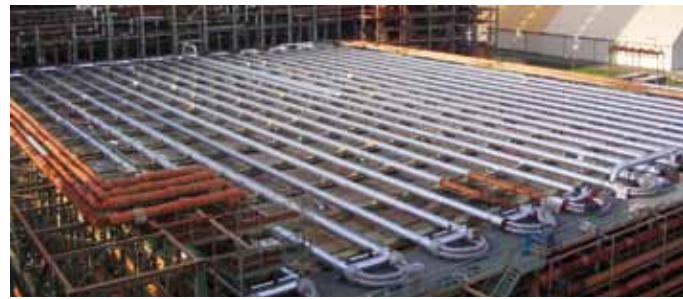
*“Reinhart's service is the key to clients success!”*

## INTELLIGENT CLEANING TECHNOLOGY

Using a completely different type of cleaning technology, method, and propulsion solutions than other cleaning contractors in the market, the Reinhart Hydrocleaning Mechanical Cleaning Technology has achieved complete success where others failed to even make the attempt.

For industrial pipe and pipeline cleaning and restoration, Reinhart offers the fastest, most efficient and cost effective service available in the market.

Backed by years of experience, Reinhart and his unique 'Hydro-Mechanical Cleaning' System can clean and prepare the internal condition of your pipeline all away down to bare metal, if required.



14" ALUMINUM PRODUCTION PLANT (AOS STADE, GERMANY)

This includes all facets and types of operations:

- **Single cleaning operation**
- **Long term maintenance cleaning**
- **Cleaning prior:**
  - to a subsequent lining operation
  - to an inspection activity
  - i.e. intelligent pigging
  - internal visual camera survey, and more



4" CHEESE PRODUCTION PIPELINE



REINHART HYDROCLEANING SA WAREHOUSE

Where other companies can only make promises, Reinhart guarantees results, restoring internal condition to its original.

Whatever pipe cleaning needs, Reinhart has the technology, tools, experience and solutions.

Complex cleaning problems are Reinhart's specialty, and tools are tailored in Reinhart's manufacturing plant to meet and solve the challenge of each individual cleaning situation and application.

Solving complex problems with creative solutions and state-of-the-art technology is Reinhart's specialty.



REINHART HYDROCLEANING SA 5-AXIS MILLING CENTER



REINHART HYDROCLEANING SA ASSEMBLY AND PRODUCTION FACILITIES

## CAPABILITIES

- Restores flow in pipelines manufactured from steel, cast iron, concrete, PVC and even corrugated pipe.
- Complete removal of:
  - Thick and hard deposits
  - Corrosive products
  - Scale build up
  - Wax
  - Efficient cleaning of pitting & corrosion, deep pits, and more.

The Reinhart Technology can be applied for pipe diameters from 2" to maximum (96" pipe diameter has been cleaned).



6" OXYGEN PIPELINE (CLEANING, TESTING, DEWATERING AND DRYING)

## BENEFITS

- Efficient cleaning technology
- Short cleaning time
- Cost effective and guaranteed results
- Flexible tool concept
- Can be used for all types of cleaning applications
- Multiple cleaning operations in one tool
- Tools are tailored to specified application
- Special optimized maintenance tools
- No requirements for launcher and receiving facilities
- Safe cleaning operation
- Cost saving within long term maintenance
- High performance cleaning before subsequent inspection activity (intelligent pigging, camera survey, and more)



20" CRUDE OIL EXPORT PIPELINE

