



GreenTank



Co-funded by the Eco-innovation
Initiative of the European Union

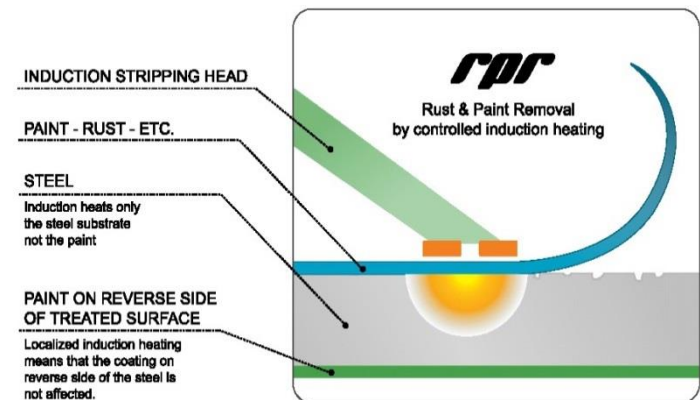
RPR Induction Disbonding System For Storage Tanks

Rapid and environmentally safe removal of coatings from
steel surfaces of storage tanks



RPR Technology for Storage Tanks

- Patented Induction System
- Main Features in coatings removal:
 - ✓ Environmentally friendly
 - ✓ Fast
 - ✓ Safe
 - ✓ Operator Friendly
 - ✓ Economic
- No use of abrasives or UHP water
- Robotic solutions are available for a fast, efficient and controlled removal process
- Easy removal of most type of coatings:
 - Epoxy
 - Glassfiber
 - PU
 - PE
 - Rubber



Key Features - Storage Tanks

- Up to two times faster than abrasive blasting or water jetting methods
- Silent – Operator friendly – Safe in use
- Easy removal of coatings thickness up to 20-25 mm including epoxy, rubber, PU, glass fiber, etc.
- Operation in tanks simultaneously with inspection and other maintenance work taking place
- Removal of disposal is easy and waste handling is reduced to a minimum
- No grit or water to be transported or disposed off





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Green Tank Project

***Rapid and environmentally safe removal of coatings from
steel surfaces of storage tanks***

- Co-funded by the EU Commission to promote RPR Induction as a Green Business
- Key Targets:
 - Develop robotic solutions for fast and efficient removal of coatings on storage tanks
 - Reduced down time and overall costs for the tank owners
 - Minimize waste handling and costs of disposal
 - Increased stripping rates with lower energy costs
 - Improved working conditions for the operators
 - Reduced man hours
- Proof of function by dissemination activities on site
 - Offered for tank owners and contractors
 - Acknowledged by Shell NL to perform site demonstration early 2016

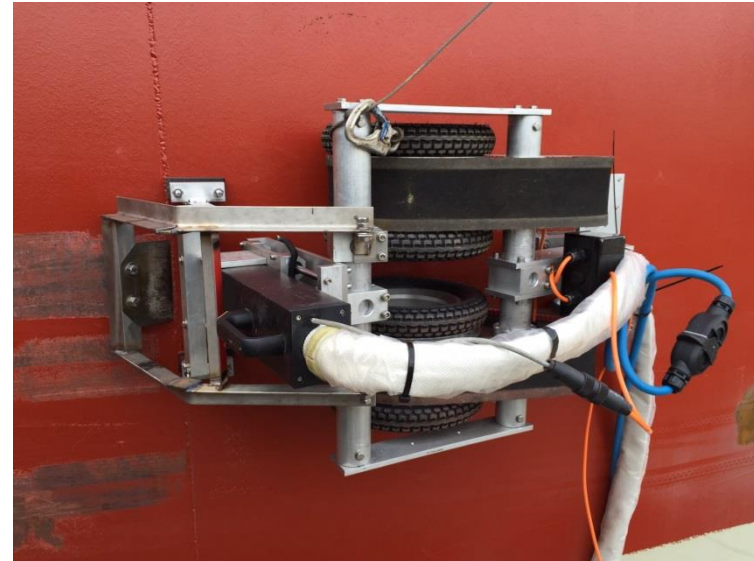
Typical Application areas in Storage Tanks

- Thick rubber
- Ebonite
- Fiberglass
- Epoxy systems
- Traditional paint systems
- and many others



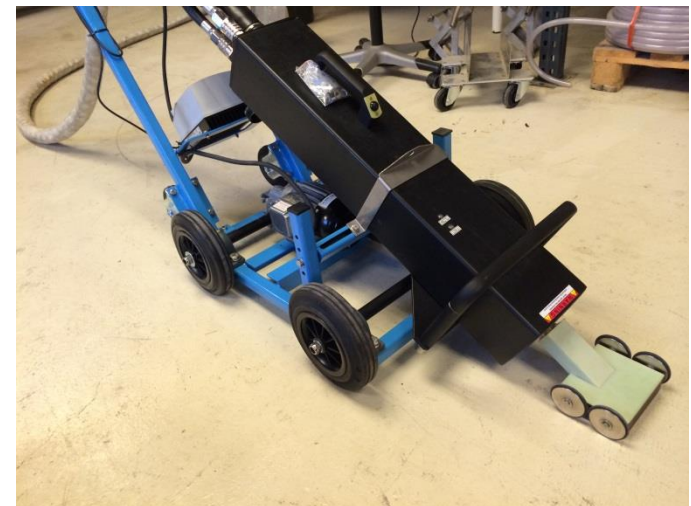
Vertical & Horizontal Robotics

- Remote controlled
- Dual magnetic drive
- Rubber belt and wheels
- Scraper
- Flexible operation with 3:1 or 4:1 transformer



Electrical trolley for horizontal surfaces

- Double axle drive
- Adjustable variable speed
- Electric converter 240/220V to 24V for access inside of tanks
- Suited for operation with different transformer sizes
- Pushbutton switch on handle grip for safe operation



Dissemination Activities

Robotics and Semi-automatic solutions

RPR offers free of charge demonstrations of new state-of-the-art robotics or motorized trolleys with induction disbonder used for coatings removal in tank storage facilities

Main features demonstrated:

- Ease of handling and operation
- Increased stripping speed
- Reduced energy consumption
- Environmental benefits
 - No abrasives or water used
 - Practically noiseless
 - Less energy required
 - Minimum disposal

References

- ASMARTEC (Bilbao) – Chemical tanks, rubber
 - AGR Mongstad (Bergen) – Oilfield pipes
 - US Navy – Submarines & Air-craft carriers
 - Aker Kværner – Offshore & Onshore
 - Muehlhan – Contractor
 - Bilfinger – Contractor
 - CAPE – Contractor
 - Kaefer Energy - Contractor
- Oil Exploration & Tank Operators
 - TOTAL
 - Statoil
 - Exxon Oil
 - Pemex
 - Bluewater
 - Shell
 - BP
 - Conoco
 - CNOC
 - Preem





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RPR Induction Disbonding Technology offers:

- Proven and acknowledged technology throughout the industry
- Unique, fast and economical disbonding solutions
- Disposal waste reduced to a minimum
- Optimal handling of health and safety issues
- Environmental friendly coatings removal
- Work efficient operation

Please take contact for dissemination activities, purchase or rental

For more information, please visit our Website: www.rpr-greentank.com