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
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
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