BILFINGER NOELL GMBH

PHADEC™

FOR NUCLEAR POWER PLANTS

The PHADEC™

(Phosphoric Acid Decontamination Process) process has been especially developed for decontamination of steel parts. The PHADEC™ decontamination process is carried out in an independent plant where contaminated material is treated in special basins and afterwards released for relaunch on the market. Surface residuals (the conta-mination) are further treated in auxiliary systems and can then be easily put into storage as radioactive waste.

Features:

- Decontamination of carbon steel and stainless steel
- Decontamination of complicated shapes and also small parts
- The PHADEC™ plant is easy to use and requires only limited manpower
- Low personnel dose rate
- Easily adjustable to customer needs
- Environmentally friendly:
  - Free release of decontaminated material
  - Very limited amount of storable radioactive waste
  - Phosphoric acid recycling

BILFINGER

Grouting

Grouting

Grouting

Grouting

References:

- Germany: NPP Gundremmingen
- Italy: NPP Caorso

Engineering & Technologies

Bilfinger Noell GmbH
Alfred-Nobel-Straße 20 · 97080 Würzburg · Germany
Phone: +49 931 903-6003 · Fax +49 931 903-1018
noell.nuclear@bilfinger.com · www.noell.bilfinger.com