

# CASE STUDY: CS-22

## Power Station

- Site:** Taeon Power Station South Korea
- Application:** Boiler Feed Pumps
- Original Set-Up:** Twelve large M110 x 4.0 Studs were tensioned using an hydraulic torque wrench until the desired elongation was achieved.
- Issues Experienced:**
- Weight of large torque wrench in excess of 125kgs
  - Horizontal stud position makes handling difficult
  - Torque caused damage to studs, hex nuts and pump surfaces
  - Irregular torque readings difficult to relate to tension
- Technofast Product Used:** Special M110 x 4.0 High Temperature EziTite® TR Hydraulic Nuts
- Benefits Experienced:**
- Easy installation and handling
  - No damage caused to studs or pump surfaces
  - Precise bolt load achieved through simultaneous tensioning
  - Reduction in number of personnel required
- Installation Time:** Old Method = 8 hours (3-4 personnel)  
New Method = 30 minutes (2 personnel)
- Time Saving = 7 1/2 hours**
- Feedback Received:** The customer was impressed with the time and Labour savings as well as the safety improvements and is now replacing all standard hex nuts on a further 7 boiler feed pumps with the Technofast EziTite® TR Hydraulic Nut technology

### TECHNOFAST INDUSTRIES PTY LTD

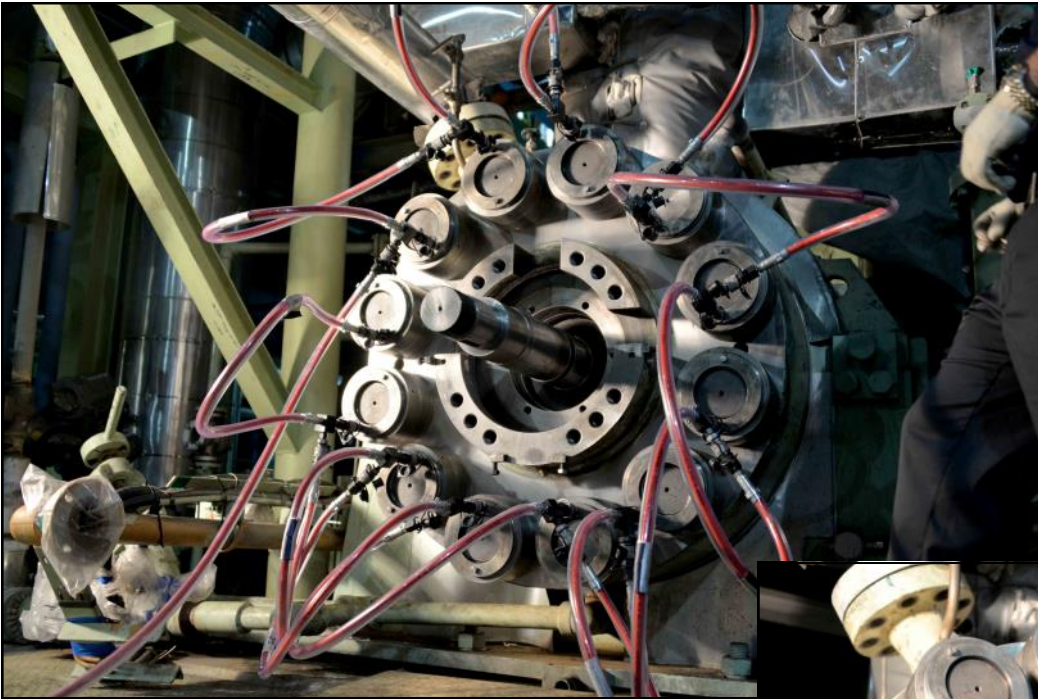
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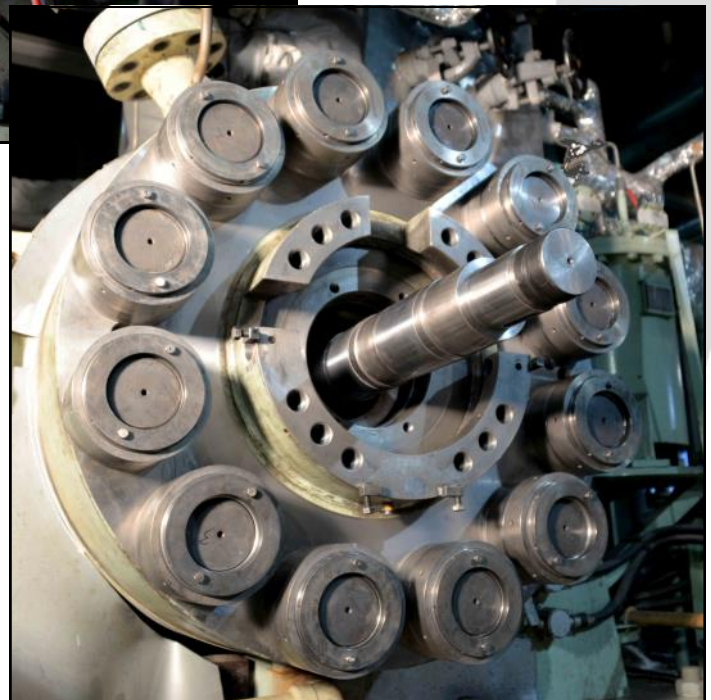
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## Application Pictures



12 x High temperature TR EziTite hydraulic nuts being simultaneously pressurised.



Installed high Temperature TR EziTite hydraulic nuts ready for service.

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