



HFS HEAVY INDUSTRIES SDN. BHD.

Power Generation Division

HP DESUPERHEATER (OR ATTEMPERATOR) SPRAY VALVE IMPROVEMENT

CLIENT

PANGLIMA Power Sdn. Bhd.

PROJECT

HGPI Outage Nov 2017 (Unit 11 & 12)

LOCATION

Telok Gong, Melaka, Malaysia

WORK TITLE

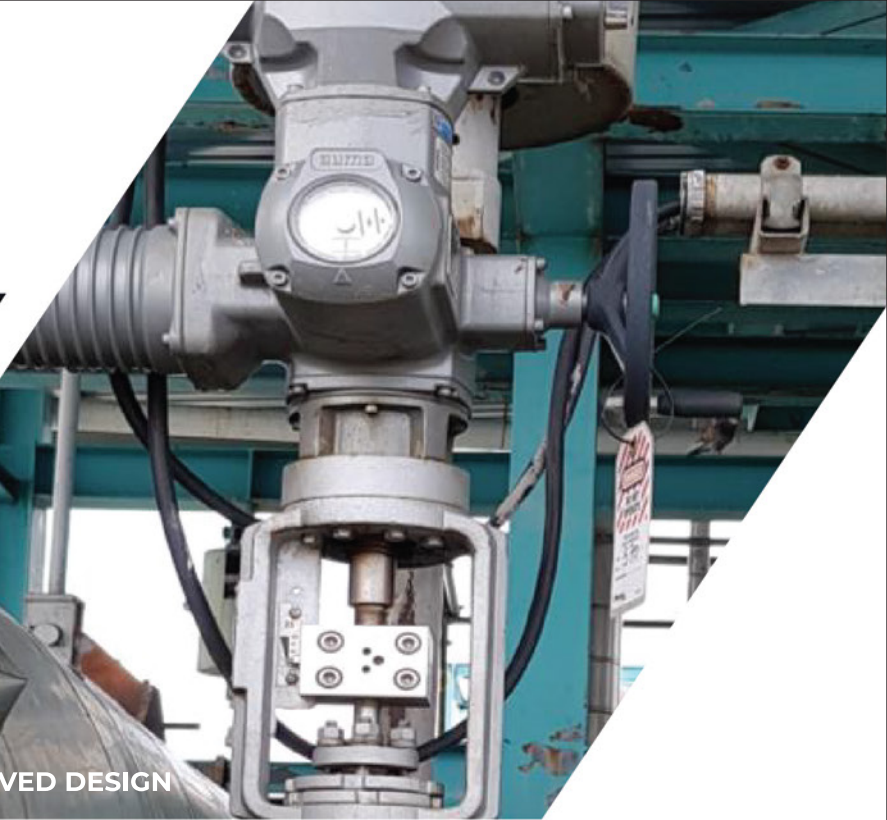
Design, Supply and Replacement
of New Improved Design for
HP and RH Desuperheater
Spray Valve



ISO 9001:2015 Reg. No: 17148A-A



OHSAS 18001:2007 Reg. No: 17148A-I



OBJECTIVES

- ▶ To improve enhancement of the components under cyclic operations in terms of the induced steam temperature and thermal stresses.
- ▶ To improve reliability and eliminate unplanned outages of the HRSG on both short and long terms, resulted from HRSG tube failures.

SCOPE INCLUDES

- ▶ To perform engineering study for current operation regime, design and repeat failure mechanism.
- ▶ To perform engineering study of stress analysis.
- ▶ To improved and upgrade design to the HP and RH DESH Spray Control Valve to consider existing flange and Feedwater inlet design, location.
- ▶ To designed valve integrity for cycle operation.
- ▶ To install upgrade HP and RH Deseperheater spray valves.
- ▶ To carry out commissioning service during hot operation condition.



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