



HFS HEAVY INDUSTRIES SDN. BHD.

Power Generation Division

PIPE HANGER CONDITION ASSESSMENT FOR HRSG & BOP



CLIENT

PANGLIMA Power Sdn. Bhd.

PROJECT

HGPI Outage Nov 2017 (Unit 11 & 12), MI Outage Nov 2019

LOCATION

Telok Gong, Melaka, Malaysia

WORK TITLE

Condition assessment include stress analysis, hanger inspection, adjust and replacement for HRSG and BOP



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



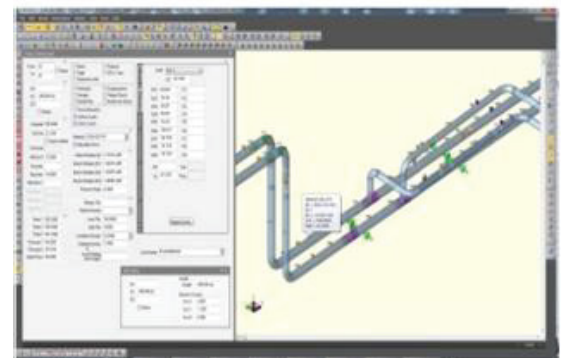
OHSAS 18001:2007 Reg. No: 17148A-I

OBJECTIVES

- ▶ To improve enhancement of the components under cyclic operations in terms of the induced thermal stress and expansion for high energy pipe.
- ▶ To improve reliability and eliminate unplanned outages of the HRSG on both short and long terms, resulted from high energy pipe failure and / or damage.

SCOPE INCLUDES

- ▶ To perform engineering study for current operation regime, design, and repeat failure mechanism for high energy piping of HRSG and BOP.
- ▶ To perform engineering study for pipe stress analysis.
- ▶ To perform site inspection of pipe and hanger system during hot and cold condition.
- ▶ To provide full package of condition assessment report.
- ▶ To adjust and balance load of pipe hanger according to inspection and engineering results.
- ▶ To provide engineering drawing for replacement parts.
- ▶ To replace new pipe supports (MI outage 2019 Nov).



STRESS ANALYSIS



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