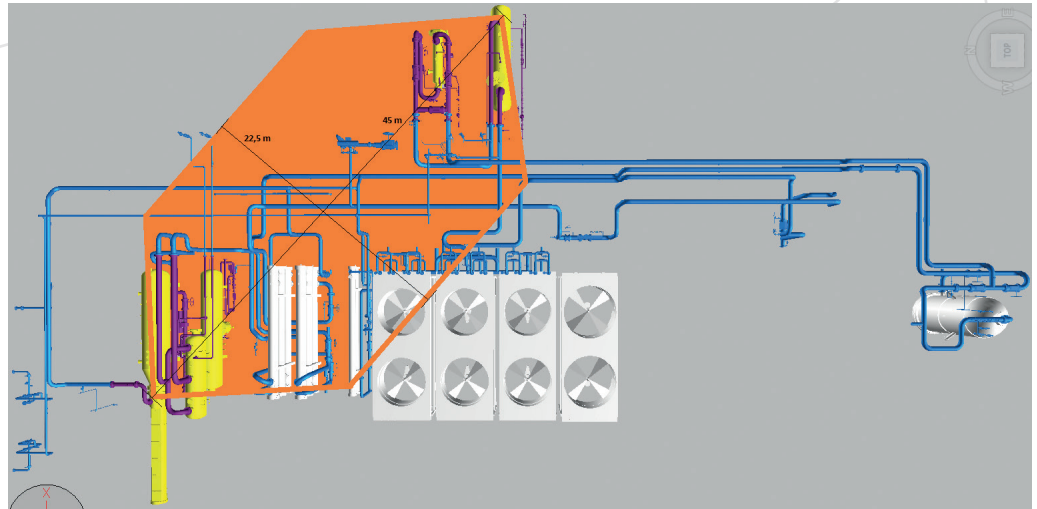


Project Reference: Segment Survivability Analysis



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Client	Tecnicas Reunidas (on behalf of Repsol)
Year	2011-2012
Installation/Plant	Margarita gas processing facility (Boliva) – Phase 1

Objective

A Segment Survivability Analysis (SSA) for the CPF plant shall be performed. The SSA has the purpose of determining the vulnerability of the critical parts of the process to credible jet fire scenarios caused by accidental events. The main objectives are to:

- Confirm the suitability of the current blowdown system
- Confirm the suitability of vessel material taking into account heat load, pressure and temperature

Scope of Services

The survivability of different equipment was analysed using VessFire simulations. The analysis is performed by simulating each segment individually, and the following six segments were considered:

- Slug catcher
- Inlet gas separation
- Condensate separator
- Stabilization columns
- Sales gas compression A/B
- Propane refrigeration

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