

Client Project Submission Form

To be submitted to Instructor: Stephen Bruneau, sbruneau@mun.ca, 864-2119

Civil Engineering Design Course ENGI - 8700
Memorial University
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CLIENT

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(at least one P.Eng)

Proposed Project Title

Hibernia M20 East - Methanol Module Addition

Description of Project

As part of a Hibernia Subsea expansion Project, a new module with sufficient storage area to accommodate a new storage tank, new wellhead control panel, a new hydraulic power unit, as well as additional laydown requirements.

Requirement of Student Group

Design a new module as well as the connections such that the module connects to the existing M20 Hibernia Module.

The new module should provide the following: 120 sq meters of laydown at the top level, 60 sq meters of laydown at intermediate level 1, 60 sq meters at intermediate level 2, 200 sq meters of laydown at the bottom deck.

Local checks for how the new module influences the existing M20 module should be taken into consideration for the connection design.

COMMENTS, CONDITIONS, RESTRICTIONS QUESTIONS

New Module is to be installed utilizing the East Hibernia Topsides Crane which restricts lift weights to approximately 35te

The Tank is outside the Scope of the project, other than ensuring the support steel is designed for the appropriate loads

