

Training Content

GGL Cryogenic Process

General Objectives:

The aim of this subject is to provide participants with supporting knowledge of typical cryogenic processes.

Specific Objectives:

At the end of training the trainees will be able:

- ✓ To understand different gas cooling methods: Heat exchange, turbo-expander, Jules-Thompson effect, refrigeration;
- √ To understand how to separate natural gas components using distillation columns;
- ✓ To understand hydrate formation causes and how to prevent it;
- ✓ To develop troubleshooting and cause & effect analysis;
- ✓ To understand the concept of cause and effects analysis.

Audience:

Operators and foremen with at least 1 year experience on production facilities.

Workload: 40 hours

CONTENTS:

Module I - Fas liquefying process

Module II - Gas components separation

Module III - Hydrates prevention

Module IV - Dew Point Analysers

Module V - On Line Gas Chromatographs operation

Module VI - Troubleshooting

Module VII - LPG quality