

simulation
knowledge
profit

ILIB Inprocess Library of Training Modules



ILIB is the collection of Training Modules on Process Simulation and related subjects that have been developed and maintained by Inprocess experts **over the last 25 years**, with learning content focused on helping corporations **to develop and increase the skills** of their **engineering workforce** in the **Process Simulation** field of knowledge.

Our extensive and proven experience and our in-depth knowledge of the industry guarantee the excellence and the high quality of ILIB.

ILIB Subscription Service

For a fixed yearly fee, engineers in their corporations will have available at their fingertips:

- More than 70 self-contained process simulation modules.
- More than 180 hours of self-paced eLearning up-to day content.
- Attendance at instructor-led Inprocess public training courses.
- Access to a team of coaches.

Our Faculty can also help corporations to design and create the best training paths for their engineering staff, according to current company needs, the engineers' background, and their level of expertise.

User details

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Session Activity
 Last access: 06/06/2021 10:07:36

Notifications

From	Subject	Date
Manel	You have new itinerary	31/1/2020 12:00:00 AM
Manel	The test has been scored	4/11/2020 12:00:00 AM
Manel	The test has been scored	3/11/2020 12:00:00 AM
Manel	New version	2/11/2020 12:00:00 AM

Manifold and HP Separator

- Create a Material Stream with the conditions in the Table below
- Install a valve downstream of Produced Fluids (that will be later used for flow control) and specify an outlet pressure of 84.8 bar. Name that valve Manifold.
- Install a 2-phase separator to split the stream into one gas and one mixed-liquid stream. Name it HP Separator.
- The 2-liquid phase stream leaving the HP Separator is flashed through a valve before entering the intermediate pressure separator.
- Install a valve and fix its outlet pressure at 23.1 bar.
- The HP Separator vapour stream enters an exchanger to decrease its temperature down to 27 °C.
- Install a Cooler to perform such simulation. Consider that a 50 kPa pressure drop takes place in the cooler.

Stream name	Phase	Unit
Produced Fluids	2-Phase	kg/h
Temperature	87	°C
Pressure	30	bar
Feed rate	10000	kg/h
H ₂	1.50	kgmol/h
CO ₂	2.50	mol %
N ₂	79.80	mol %
C ₂	0.50	mol %
C ₃	2.44	mol %
iC ₄	0.50	mol %
nC ₄	2.29	mol %
iC ₅	0.50	mol %
nC ₅	0.50	mol %
nC ₆	0.50	mol %
H ₂ O	0.72	mol %
H ₂ S	1.45	mol %
H ₂ SO ₄	0.50	mol %
H ₂ SO ₃	0.50	mol %
H ₂ SO ₂	0.12	mol %
H ₂ O	3.85	mol %

QC: What heat flow needs to be removed to accomplish the stream cooling? Pn: 1

- 11 MW
- 436-7 U
- 11 MW
- None of them

ILIB features



An **all-in-one package**: beginners, intermediate, advanced; steady state, dynamics; oil & gas, refining, petrochemicals, process control.



An **Inprocess coach**, expert in the field, will be available in order to **guide** and **support** learners, solving doubts and answering enquiries, sent to a **dedicated email address**, about the content of the modules.



ILIB's **software architecture** allows for its hosting in the customer's **servers**.



Administrators can incorporate eLearning content into **training programs** or allow learners to **follow a personal path**.



Web-access to the training content: anywhere, any time.

Some benefits of using ILIB in your self-paced eLearning approach include

- **Reducing the costs of investments and resources: cost-effective.**
- **Designing** training paths for the engineers as a function of their skills and their **involvement in current projects**, and **adjusting** them depending on new planned **workloads**, as new projects arrive.
- **Easier delivery** of the training content.
- **Keeping and managing** all the training information in the same place.
- **Measuring** the impact of the eLearning through the monitoring and reporting tools offered by **ILIB**.
- **Increasing employee participation**, engagement and motivation.
- **Providing the same information and material** to all your employees, decreasing drastically mistakes and misunderstandings.

