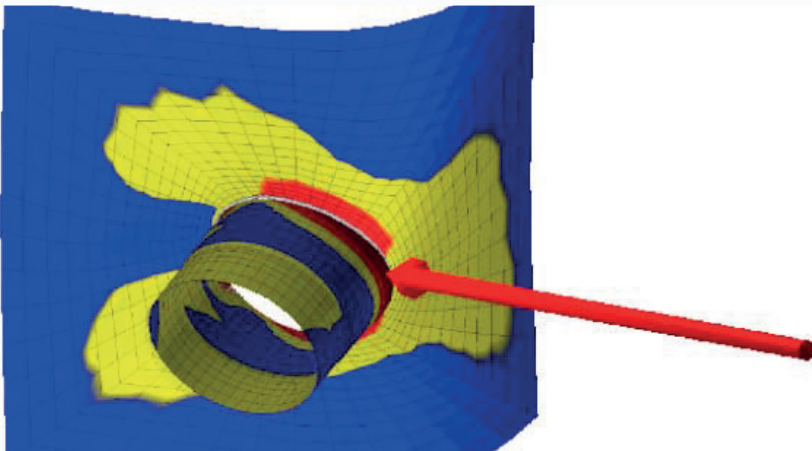


NozzlePRO Essentials

Online Course



- Self-paced
- 6 modules
- 9 hours
- English
- 1-yr access
- SPC213



Learn from home
100% online training



Video Lectures
watch multiple times



Available 24/7
1-year unlimited access



Personal Certificate
to prove your knowledge

Course Objective

*"To enable NozzlePRO users to use the software **proficiently** and **understand the code compliance checks** performed by the software."*

Program

| | | |
|----------|--|-------------|
| Module 1 | Introduction to FEA and ASME BPVC VIII Division 2 Chapter 5 "Design by Analysis" | 1 hr 12 min |
| Module 2 | NozzlePRO Fundamentals | 1 hr 45 min |
| Module 3 | The NozzlePRO Options Menu & Settings | 1 hr 15 min |
| Module 4 | Basic Analyses with NozzlePRO | 57 min |
| Module 5 | Piping Vessel Interaction | 1 hr 17 min |
| Module 6 | Additional Topics | 34 min |

Results

- ✓ Are familiar with the NozzlePRO Interface & its modules
- ✓ Know how to work with shell type FEA models
- ✓ Know how to interpret pressure surge results
- ✓ Understand the Options Menu & Boundary Conditions
- ✓ Can correctly set nozzle loads
- ✓ Know how to visually verify model settings & mesh
- ✓ Can post-process your results
- ✓ Understand Stress Categorization as per ASME BPVC VIII-2
- ✓ Understand the associated Compliance Checks
- ✓ Know how to model piping actions and calculate SIFs
- ✓ Can calculate nozzle flexibilities and use them for pipe stress analysis

NozzlePRO Essentials

Online Course

Provided by



Frank Bos, PhD

Project Engineer, Dynaflow Research group

Mechanical, Piping, FEA, CFD

DYNAFLOW
RESEARCH
GROUP.



Willy Lock

Senior Mechanical Engineer, Paulin Research group

FEA, FEPipe, NozzlePRO, ASME B31J

PRG
PAULIN
Research Group

Course Summary

This self-paced course teaches you all the fundamentals, and much more, of working with NozzlePRO.

Not just the basics. In this course, you will learn many different aspects of the NozzlePRO software, such as using the different Finite Element templates, set-up of you loads, model verification, viewing & post-processing your results and the relevance of the ASME VIII-2 stress categorization and compliance checks.

The course allows you to learn at your own pace and is fully provided online. The training is suitable for both new users as experienced users that want to learn more about the different features of the software.

Who should attend this course

- Beginner NozzlePRO users that want to learn the foundations
- Intermediate NozzlePRO users that want to understand more about the different features
- Users of other PRG Suite & FE/Pipe
- Those that want to understand more about the capabilities of NozzlePRO

Prerequisites

- No prior knowledge of NozzlePRO and FEA is

Level Foundation