

Petrogenium. Academy

Asset Management

Advanced Well, Reservoir and Facilities Management (WRFM)

Consultant / Trainer

Frans ter Laan



Key Questions:

- How can production increase by 10-20%?
- How can reserves be increased?
- How can costs be reduced?
- How can performance optimize to minimize GHG emissions?

Our interactive WRFM course is tailored for Upstream oil and gas companies to maximize asset value. Covering industry best practices and Lean principles from reservoir to sales, this course will help close the gap to your asset's potential. Highly interactive with tailored exercises, it ensures comprehensive understanding of WRFM workflow and oil field practices. Team integration is crucial, so having all key practitioners attend together will maximize the course's impact. Delivered by three experienced instructors, this course balances technical and process improvements, creating value and reducing cycle times.



Participants

This **Petrogenium.** course is best suited for experienced personnel across various disciplines and asset leaders who need help integrating different functions and disciplines. It can also be tailored to less experienced staff with greater emphasis on addressing basic technical and process principles.

The course is designed for asset teams and integration of disciplines is critical. Participants typically include Production Operations, Production Technology, Reservoir Engineers, Process Engineers, IT/IM, Metering & Allocation engineers, C&P and Asset leaders. The class could be up to 35 people.

The course is best delivered on site.



Learning Objectives

At the end of the course, participants will understand how to apply industry best practices in WRFM to their assets and identify areas for improvement. In addition, they will learn about lean principles and how to apply it in the WRFM process.

Based on the outcome of the WRFM course and the insight that lectures will get while giving the course, the option for post-course consultancy and a second tier course with the necessary technical content to improve performance of any weak part in the process is also available.

Programme

DAY 1

Setting the Scene

- Introduction to WRFM
- WRFM process and plan
- Data acquisition and data management
- Lean exercise on collaboration
- Operating envelopes and windows, exercise on operating windows

DAY 2

Daily Optimisation

- WRFM structured reviews
- Daily Production Reviews and exercise
- Lean SIPOC and exercise on Standard Operating Procedures
- Exercise on operating envelopes
- Limit diagrams and IPSC
- Operating envelopes

DAY 3

Optimisation the integrated system

- Production System Optimisation (PSO)
- Exercise on PSO
- Lean Visual Management
- Lean exercise on creating flow in a process
- Exception based surveillance
- Limit diagrams

DAY 4

WRFM reviews

- Annual well and reservoir reviews
- Exercise well and reservoir reviews
- Process engineering and facility review
- Exercise facility review

Programme Continued

DAY 5

Bringing it Together

- (Visual) Performance management
- Opportunity management
- WRFM Improvement plan
- Close out

Why select Petrogenium.?

The above support will be provided by principal consultants with 30+ years world-class experience in the technology and hands-on know-how from operation of refinery units.

Contact Petrogenium.:

Email: training@petrogenium.com

Website: <https://www.petrogenium.com/training/>

Because Experience Matters