



# Extending Turnaround Interval Workshop

Consultant / Trainer:

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The frequency and duration of turnarounds (TA) could spell the difference between a healthy profit or a painful loss for a facility such as an oil refinery. The frequencies of TA depends on the performance of critical equipment in a unit or plant and once these equipment fails to perform to acceptable levels, then a turnaround is inevitable. This workshop allows the organization to assess and reduce the frequency of turnarounds for specific units of the whole facility through a systematic review of critical equipment historical performance, deterioration rate, operational practices, operational spares, etc.

The workshop duration depends on the number of critical equipment to be analyzed using the algorithm, but normally it would range between 2 – 6 weeks.

### Participants

This **Petrogenium** course can be tailored for for intermediate staff and for experienced personnel. Furthermore the course can be customized for a specific refinery, plant or unit. The option for post-course consultancy/help-desk support is also available.

Participants should include technical authorities from: Maintenance, Inspection, Operations, Process Engineering, Economics and Scheduling, and Turnaround.

### Learning Objectives

This workshop gives the opportunity for the whole organization to assess the frequency of turnarounds for the whole facility. If the frequency is not acceptable to the organization, the workshop provides a better understanding of the challenges it is facing in attempting to reduce the frequency of the turnarounds.

An algorithm has been developed to assist in the analysis of existing equipment based on current operating conditions. Various options will be considered to try to extend the operating life of the equipment.

## Programme

- Objectives & Premises
- Setting the desired initial frequency of turnaround
- Review of historical performance of each critical equipment
- Presentation of current performance of each critical equipment
- Identify mandatory and legal requirements affecting the operational availability of the plant
- Identify equipment performance that not meet the desired frequency of the turnaround
- Choose from options available in order to increase equipment performance and meet the desired TA frequency
- Conduct a feasibility study on each option
- Obtain management approval for chosen option
- Assess overall plant performance. The shortest maintenance period of critical equipment will determine the frequency of the turnaround.