Course Description

The course covers Turnaround Maintenance Work Selection (Risk Based), Planning, Scheduling and Execution development and implementation to lead an oil & gas company to a pacesetter performance comprising of:

- Turnaround Maintenance and Operations Work Selection ensures that high value added work is approved, while no or low value added work is rejected.
- Turnaround Planning and scheduling routine maintenance jobs to improve the safety, efficiency and cost of execution.
- Knowledge to reach equipment reliability, availability and reduce maintenance costs by use of proven Best Practices in Turnaround Maintenance Work Selection, Planning and Execution.

Who Should Take the Course

- The course is ideal for persons with assigned responsibilities for Turnaround Maintenance Work Selection, Planning and Execution in the operations, reliability and maintainability area, as well as managers who want to increase awareness of the payoffs of maintenance improvements managements.
- Engineers who need to know the Turnaround Maintenance Work Selection, Planning and Execution as they apply to developing reliability improvement programs. Design engineers, technical specialists, maintenance specialists, operations technical specialists, reliability specialists, and product/program managers will benefit from the course.

What Will You Learn

- The participants will gain knowledge of programs and methods to achieve Turnaround Maintenance Work Selection, Planning and Execution improvements to reach target performance. They will learn the proven Best Practices that are appropriate to apply for different equipment as well as the basics of implementing the practices to reach reliability, availability and maintenance cost reduction targets.

Included Materials

Attendees will receive a copy of:

- Guidelines for Risk Based Turnaround Maintenance Job Selection
- Guidelines Developing Turnaround Job Plans
- Guidelines for Developing Turnaround Machinery Job Packs
- Guidelines for Developing Turnaround Instrumentation Job Packs
- Guidelines for Developing Turnaround Electrical Job Packs
- Guidelines for Developing Turnaround Fixed Equipment Job Packs
- Course Text Book
- Course Slides

Course Outline

Turnaround / Overhaul Work Selection:

Work Selection to enable meeting the HSE and business objectives at minimum long-term cost.

Work Selection as applied to:

- the Annual Program Work-list,
- Out-of-Program Work (Breakdown + Discretionary).
- Turnaround Program Work List (including projects)

How to prepare an optimum turnaround/Shutdown work execution plan (including capital projects) to meet:

- Safety,
- Cost,
- Quality, and
- Schedule Targets.

Panning, Scheduling and Execution

Ensuring materials, personnel, tools, permits, and process equipment are available for execution when required by the plan.

Execute all work per the approved plan, meeting or exceeding Safety, Cost, Schedule, and Quality objectives

The Module contains:

- Defined risk based Turnaround work selection methodology
- Setting of latest acceptable completion date
- When work selection is required

The module contains:

- Fully integrated turnaround plans and schedules
- Turnaround Planning requirements
- Turnaround scope and update frequency (week, month, and year)
- Turnaround Work supervision requirements
- Turnaround Reporting requirements

- Developing Turnaround Job Plans
- Developing Turnaround Machinery Job Packs
- Developing Turnaround Instrumentation Job Packs
- Developing Turnaround Electrical Job Packs
- Developing Turnaround Fixed Equipment Job Packs

Course Instructor: Namik Kosaric is a Canadian Professional Engineer with experience with PETRONAS, Bahrain Petroleum Company and ESSO Petroleum Canada in reliability improvements and maintenance cost reduction, mechanical design, project engineering and technical support of Oil Refineries and Oil Production Facilities.

For the last 8 years in PETRONAS Namik Kosaric was responsible for providing technical and knowledge leadership in development, coordination and implementation of plant reliability and integrity improvements and program to PETRONAS OPU's to improve and support the overall Petroliam Nasional Berhad objectives.

In BAPCO, Namik Kosaric, pioneered and implemented a root cause failure analysis of lost profit opportunities and chronic failures using a multi-disciplinary teams to improve plant reliability, availability, safety and to ultimately reduce operating costs. Significant cost savings were achieved as a result of over 200 completed investigations.

For 23 years in ESSO Petroleum Canada, Namik Kosaric has made significant contribution worldwide in reliability improvements, design, projects and maintenance cost reduction in upstream and downstream facilities.