

## A Three Days LDI Training Course

# Shutdown Management System for Paper Mills

by  
**Rachmat Sudjana, ST**

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### **Introduction**

Allocating the time to make a proper preparation to plan well is the only reliable way to make your mill's shutdown a great success.

A standard annual six-to-twelve-day shutdown for a paper mill typically takes up a significant amount of the maintenance budget, so it is a very important process that needs a lot of attention.

There are always some risks involved in a scheduled shutdown that may result in additional costs or postponed the scheduled startup of the mill.

With proper planning, however, these risks can be significantly minimized, and you can be sure the necessary tasks are done efficiently, on time, and within the approved budget.

### **The Aims**

The Participant will get the benefit of well planned shutdown schedule in order to prevent unscheduled shutdown and long period of factory outage. At the end will give more benefit to the company in term of increasing plant availability

### **Couse Contents**

#### 1. Planning Ahead for Mill Shutdown

- Prepare the list of equipment for maintenance during shutdown
- Arrange the possible required material list, particularly for long lead items
- Assign the competence engineers, and all related personnel required during shutdown, put them day shift and night shift as required
- Provide all required tools ready for use
- Prepare a contract required to carry out the job

- Prepare all required Lifting Equipment, such as crawler crane, telescopic crane etc.
2. Cooperation and coordination
- Establish well coordination inter Departments, Compartments, Blocks or Areas
  - Develop maintenance or working procedure for each compartments or Areas
  - Develop integrated working procedure for the whole Plant
  - Make a schedule covering all activities during shutdown, using MS Project or alike
  - Run several coordination meetings involving all stake holders
3. Safety precaution during Mill shutdown
- Establish permit to work for each importance item
  - Apply shutdown procedure to switch off each equipment in the Plant
  - Isolate each equipment as necessary
  - Establish procedure to enter confined space
  - Provide breathing apparatus as required
  - Assign medical personnel complete with ambulances and first aid kits
4. Working Procedure Development
- Establish a procedure for each equipment or compartment or area
  - Develop an integrated working procedure for the whole areas or compartments
  - Indicate the equipment that required to repair during shutdown or waiting for shutdown
5. Contracts Establishment
- Prepare contract for manpower
  - Prepare blanket order for required materials and consumables
  - Prepare contract Inspection personnel and apparatus
  - Prepare contract for heavy equipment
  - Prepare contract for power tools
  - Prepare contract for specialist if needed
  - Prepare contract for heat insulation covering dismantle the old ones

### ***Who Should Attend***

Plan Engineers, Mechanical Engineers, Process Engineer, Electrical and Instrument Engineers, QA/QC Engineers, Plant Supervisors, Production Supervisor, Support Supervisors and other personnel who will involved in the routine shutdown program

### **COURSE DELIVERY**

- This offline (face to face) course is conducted in Bahasa Indonesia
- Training hours are from 08:00 to 16:00 WIB
- Participants will receive course materials

- Participants will receive a certificate after completing the training

## **Your Course Leader**

Rachmat Sudjana, ST

**Education:** University of Indonusa, Industrial Engineering AKAMIGAS, Mechanical Engineering

**Qualification:** Instructor for Oil and Gas Industries and Pulp & Paper Mills

**Other Qualifications:** Lecturer and Mentor for Graduate Engineering Trainee –  
Engineering Manager - Senior Staff Pipeline/Facility Engineer –  
Pipeline Material Selection Specialist

He was a retired Oil & Gas Industry practitioner, who is willing to share his knowledge and experience to the next engineer's generation who need them.

He has a lot of experiences in the Oil & Gas Industries domestic and abroad in the World Class Oil Companies, such as working in the oil field in the north edge of Sahara Desert, Africa next the south shore line of the Mediterranean Sea. As soon as he retired, he had a particular assignment as a Company Engineer in Foster Wheeler, Reading, next to London, UK.

He completed the assignment and get a lot more experience after the completion of the project. A long with his engineering tasks, he was also mentored the engineer's new hired in the company to facilitate them for their future to hold more responsibility. He is willing to improve the knowledge by sharing them to others. He also presented some of technical papers in the national and international forums.

## **TRAINING CONFIRMATION**

LDI Training will provide a Confirmation Letter after we receive registration according to the required quota.

**For course registration and more information please email to**

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