



SmartStart™

WICM271 SKF Copperhead Series On-line System

Course objective

To equip users of SKF Copperhead with the specific knowledge needed to properly install and configure the fault detection systems.

2009 tuition

\$2,495

1 day

Note: Only available with the purchase of installation service

Course description

For personnel who have a minimum understanding of condition monitoring and fault detection. Basic understanding of mining and cement equipment and mechanical and electrical systems is needed.

- Introduction
 - Basics of machinery vibration, condition monitoring, fault detection
 - SKF Copperhead fault detection
 - Experiences with SKF Copperhead
- SKF Copperhead hardware
 - Sensors, transmitter and display hardware
 - Configuration for stand alone and with the plant automation

- SKF Copperhead fault detection kits
 - Periodic, for plant automation, stand alone
- Applications and installation of SKF Copperhead
 - Conveyors
 - Crushers
 - Vibrating screens
 - Horizontal and vertical grinding mills
 - Industrial fans, pumps and motors
- Hands-on wiring and configuration of the sensors, transmitters and displays

WICM272

IMX System and SKF @ptitude Observer

Course objective

To become familiar with the SKF @ptitude Observer software and IMX hardware, condition monitoring systems. The course covers the installation, commissioning, operation and maintenance, along with how to operate the systems in the field.

2009 tuition

\$6,995

3 days

Course description

Course topics are organized into three sections:

- System overview
 - Provides an overview of the system components, hardware, sensors, cabling, communications, IT infrastructure and software.
- Hardware and installation overview
 - A detailed look at the hardware, the basic procedures for setting up and configuring the system. Various system configurations for optimizing reliability.

- Software operation, configuration and capabilities
 - Provides detailed information using the system for basic machinery health, analysis and trending, overview to optimizing planning and scheduling by understanding asset condition.