COURSE DESCRIPTION

CHH622 – GMD Ring Motor
Operation and Maintenance (Theoretical)

Course goal
The goal of this course is to make the participants familiar with the aspects of operation and maintenance on a ring motor within a Gearless Mill Drive (GMD) system. This training will help to enhance the preparation, flawless execution and understand the maintenance philosophy.

Main learning objectives
The participants will be able to:
- Name the main parts of a ring motor
- Understand how the ring motor is manufactured
- Recognize the different types of ring motors
- Understand the installation sequence of a ring motor
- Prepare maintenance inspections for planned shutdown inspection on the ring motor
- Understand the structure of the operation and maintenance manual (OMM)
- Handle spare parts and store them correctly
- Proceed correctly in emergency cases such as unexpected shutdown of the ring motor

Topics
- Ring motor overview
- Ring motor manufacturing
- Installation sequence of a ring motor
- Operation and maintenance manuals (OMM) of the ring motor
- Preparation of the workplace for maintenance of a ring motor
- Knowing all required spare parts, tools and consumables related to operation, maintenance or emergency case of the ring motor

Course type and methods
This is an instructor-led course with presentations and interactive classroom discussions.

Duration
The duration is 3 days:
- 8 hours daily for face-to-face classes
- 5 hours daily for remote sessions

Remarks
Note: This course does not certify, approve, authorize, accredit or validate any technician/engineer to perform any maintenance work without ABB’s written approval.
This course can be delivered:
- At customer site / any training facility organized by customer
- At ABB training center in Switzerland
- As a remote training session
## Course map

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### Time (face-to-face class)
- DAY 1: 9:00 am – 5:00 pm
- DAY 2: 9:00 am – 5:00 pm
- DAY 3: 9:00 am – 5:00 pm

### Time (remote session)
- to be defined

Typical course layout (time or sequence may change)