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

Participant profile
This training is targeted to skilled mechanical maintenance personnel and service engineers.

Prerequisites
Participants should have knowledge of the GMD system and the ring motor. Basic knowledge or experience in mechanical or electrical work is a plus.

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

Duration
The duration is 3 days.

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
— ABB training center in Switzerland
## Course map

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<td>Installation steps of a ring motor</td>
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<td>Manufacturing of the ring motor</td>
<td>Walk through factory</td>
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<td>Main parts of a ring motor</td>
<td>Operation and maintenance manuals (OMM) of the GMD system</td>
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Typical course layout (time or sequence may change)