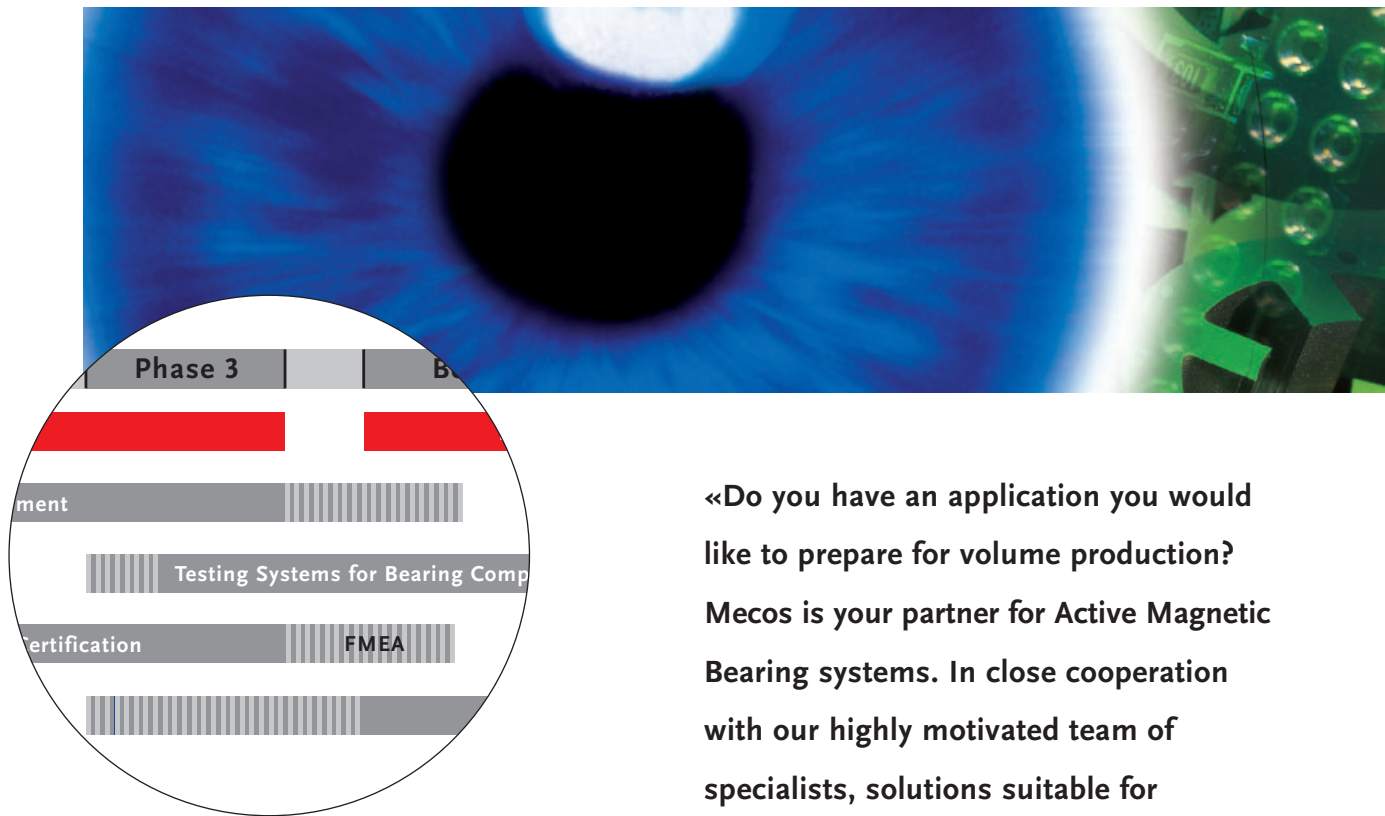


# Volume PRODUCTION

Services for Magnetic Bearing Systems



«Do you have an application you would like to prepare for volume production? Mecos is your partner for Active Magnetic Bearing systems. In close cooperation with our highly motivated team of specialists, solutions suitable for serial production are developed. Our customized training and support are key factors for your system's success.»

# Mastering the steps from prototype to mature serial product

## Phase 1

### Goal: Functional prototype

A functional model is a simple and quickly built first system that allows clarification of remaining issues before tackling serial production. In this phase, hard- and firmware is developed and FMEA on components and subsystems that realize new functionalities is carried out.

## Phase 2

**Goal: Develop and manufacture a small number of prototypes.** Prototypes incorporate all final functionalities, fulfil industry as well as regulatory requirements and are therefore the starting point for certification and functional qualification tests. FMEA is refined and adjusted.

## Phase 3

**Goal: Manufacture, test and deliver a larger batch of systems for extensive testing and qualification at the customer's site.**

Insights from the previous phases are used to finalize the product. Phase 3 units undergo conformity assessment as well as extensive environmental and functional testing at MECOS. All tasks from the FMEA are implemented, FMEA is closed.

## Beta

**Goal: Use betasite units for design and qualification of manufacturing and testing procedures.** Design freeze, conformity assessment is closed, documentation as well as manufacturing processes are finalized.

## Pre-Series

Fine tuning of manufacturing and testing processes. Ramp-up of production volume.

## Series

Volume production is established and stable. First pass yield of production and testing processes is constantly rising and settling at target levels.

