

CASE STUDY

# Beijing MECC Hydraulic — China

## Improving quality



Beijing MECC Hydraulic received higher quality recognition amongst customers, thanks to ABB.

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### The client

Being the leading enterprise for hydraulic power solutions and fluid control in China, Beijing MECC Hydraulic is always looking for new and superior technical solutions for its products. Products which often are used in the industry of metallurgy, aerospace and heavy machinery among others. When delivering hydraulic power solutions to these industries on a global scale, Beijing MECC Hydraulic in the past found it difficult to incorporate a satisfactory motor control system. In need of technical expertise in the area of motor control, Beijing MECC Hydraulic asked for the guidance of ABB.

### The challenge

Hydraulics that are powered with large electrical motors need a sufficient amount of power to operate properly. The main challenge that Beijing MECC Hydraulic faced, derived from the fact that many customers were unable to provide a power grid with good enough quality. Therefore electric motors could not be run with conventional softstarters during heavy loads. This led to many customers using other starting methods such as direct online (DOL) starting, in their hydraulics systems. The direct starting meant that the pump mechanisms in the hydraulics were exposed to starting with full acceleration. The extra stress produced by this over time reduced the lifespan of

the products significantly. Another drawback from this was the extra maintenance and service which was needed in order to maintain the machinery at working standard.

### The ABB solution

After Beijing MECC Hydraulic made the transition to ABB's softstarters there have been no issues with soft starting motors in poor networks. Thanks to the PSTB and PSE softstarters built-in protections and adjustable current limit there is no more need for using direct starting solutions because the current is neither inadequate nor too high. Beijing MECC Hydraulic has also experienced that ABB's softstarters came with a much better after-sales service than the previously used providers, with technical specialists that can be called in on-site if trouble shooting is needed. Overall Beijing MECC Hydraulic states that, not only has the reliability and simplicity of its products been improved. The brand has also received significantly higher quality recognition amongst customers thanks to ABB.



**Higher quality  
recognition**

For more information, please contact your local ABB representative or visit [www.new.abb.com/low-voltage/products/softstarters](http://www.new.abb.com/low-voltage/products/softstarters)