

# Drive system engineering and consulting services

## Expert support to optimize your drive, system, and process performance



ABB provides consultation and expertise to help you develop customized solutions to optimize your drive system assets.

We offer a wide spectrum of advanced engineering and consulting services that can help take the performance of your drive system assets to the next level. Be it at the system analysis, setup, optimization, or upgrading phases, our drive system experts can support your team in providing world-class service to ensure that your assets are meeting your needs.

**Our services include:**

- Failure Mode and Effects Analysis (FMEA)
- Electro-Mechanical System Interaction (EMSI) study
- Advanced Control Performance Optimization (ACPO)
- Advanced Power Factor Improvement (APFI)
- Behavioral and Real-Time Digital Twins

**Is my drive suitable?**

Drive system consulting service is available for all ABB special purpose drives and applications – both before and after the installation of the system.

Drive consultation services are also available for some non-ABB drive systems. Please contact us to find out more.

**Main benefits**



**Performance improvement**

We are your partner in improving efficiency, productivity, reliability, and safety, and in increasing the system output power. We optimize your drive system to increase performance, and optimize your cost of ownership.



**Minimized emissions and optimized costs**

Our advanced services help you to reduce CO<sub>2</sub> emissions and better plan your OPEX.



**Taking the best decisions together**

You know your process best. We build on your experiences along with the system history, and integrate them with our extensive knowledge of drive systems to address your needs and deliver the ideal solution. Our involvement can range from consultancy services to full turnkey delivery.



**Cost transparency**

Our offering is based on a well-defined phase model with a clear cost model.

# Service delivery process



## You want to improve the performance of your drive system

Do you want to see what improvement potential your drive system has? Would you like to run your process more cost-effectively? Are you interested in benefiting from the latest technological achievements to optimize your system's efficiency?



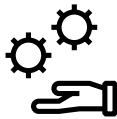
## Contact your local ABB

The ABB service team will review your specific needs and propose the best approach.



## Asset Optimization Potential Analysis

We provide an expert analysis for your drive system to identify its improvement potential. You select the most promising potential improvements among the identified ones for further exploration.



## System improvement planning and implementation

The implementation is planned together with your experts. Detailed implementation proposals for selected items are developed based on the best modeling methods, to be applied to the drive system.



## Feel the difference

The improvements are effective immediately and in a sustainable manner. The improved operation can be measured through defined KPIs.

For more information, please contact your local ABB representative or visit:

[abb.com/drives/services/engineering-and-consulting](http://abb.com/drives/services/engineering-and-consulting)

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