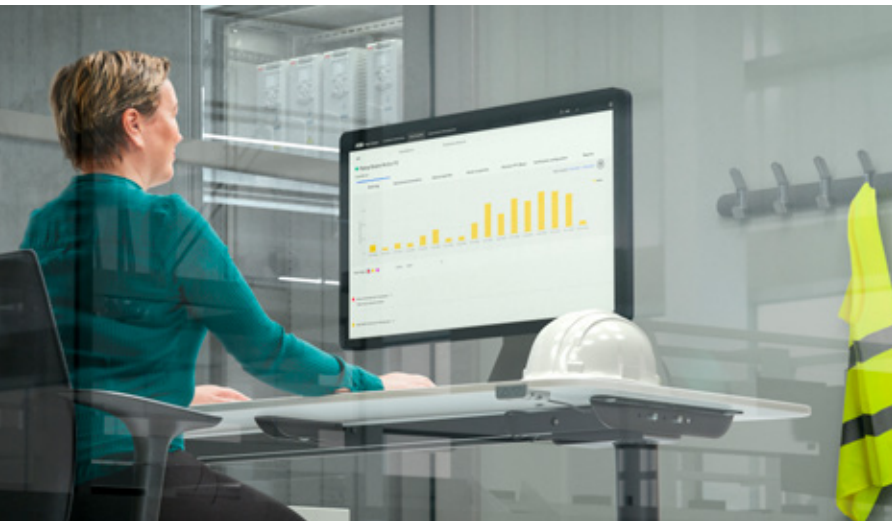


# Advanced Power Factor Improvement

## Increase the performance of your drivetrain and save energy every day



Owners of a MEGADRIVE-LCI can now benefit from a new solution to increase the performance and create energy savings. ABB introduced an innovative control methodology to optimize input and output power factor profiles. This novel feature is available on the latest control hardware platform and software version.

### A tailored solution based on your needs

The innovative Advanced Power Factor Improvement can create benefits in different dimensions: customers can choose to get higher efficiency level, higher output power or even a mix of both.

### Higher efficiency

With higher efficiency, we unlock the potential of OPEX reduction and even more environment-friendly solution with a reduced CO<sub>2</sub> footprint. Moreover, higher efficiency results in less temperature rise in the incoming transformer and in the motor, thus increasing the insulation system lifetime of the assets.

### Increased output power

With higher output power, the asset throughput can be increased to reach new heights in terms of productivity levels. This can lead to an increase in the revenues and an expansion of the available market share in certain industrial segments.

Based on your needs, we work with you to provide a customized solution that combines the benefits of higher efficiency and higher output power.

Since 2016 our customers have been benefiting every day from our solution and saving on energy consumption and CO<sub>2</sub> emissions.

### Main benefits



**Reduced energy cost** – Save up to 40 percent of reactive power and up to 5 percent of system losses



**Extended lifetime of your assets** – Reduced thermal stress in the drivetrain



**Increased output power** – Achieve up to 5 percent more power

# 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:

[new.abb.com/drives/services/engineering-and-consulting/drive-engineering-consulting](https://new.abb.com/drives/services/engineering-and-consulting/drive-engineering-consulting)

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