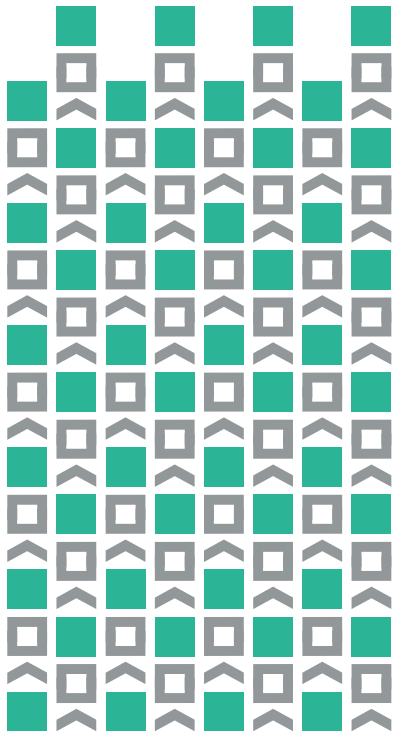


# Experts in PCB-layout design



## About us

EK Power Solutions is a leading design house of power electronics and PCB-layouts. We have delivered design services since 1978. Our business model allows you to out-source your projects to a competent partner that only charges for hours spent on the project. We mainly work in our own premises using a very experienced team.

› Our PCB-layout tools: Cadence OrCAD/Allegro, Altium Designer, CADint

## Why choose EK Power Solutions for your PCB-layouts:

- Our team of six layout designers have an average experience of more than 25 years in PCB-layout design. We know what is working and what is not and how to make quality products
- We are experts in EMC and how PCB-layouts need to be designed to comply with both electrical safety and EMC requirements
- We have an extensive component database with more than 6000 components. The database is directly connected to our CAD tools in order to eliminate errors both during the development phase and during production
- Our layout footprints are custom-designed and based on the IPC standards. All are verified in production
- We can do PCB-layouts using our own libraries or the customer's component database and PLM-systems
- We have access to a large component database with more than 1 billion parts. We can deliver information about RoHS, REACH/SVHC as well as NRND or obsolete parts. We secure your design for potential future problems
- It is easy to procure production of your electronics based on the documentation we provide. EMS suppliers and PCB manufacturers frequently praise us for our manufacturing documentation
- As a customer, you have access to our entire team and our entire collective experience
- Since we are also a design house for power electronics, we have the ability to give our customers feedback on their electrical designs. Our design review service help you avoid design errors
- Through our carefully prepared processes and check lists, we assure the quality of our customers PCB-layouts

## Full-service commitment and manufacturing

Our comprehensive commitment ensures that we will be there during every stage of the development – from idea to finished product. This commitment includes mechanical design, software and cabling.

We are always there for our customers after project completion - for product maintenance and support. LTB or EOL component issues? You can count on our support!

As a customer you have full ownership of the design and the complete manufacturing documentation. This allows you to outsource the production to an EMS-supplier of your own choice and exercise complete cost control. We are happy to share our extensive network of reliable electronics manufacturers with you. We can also assist with start of production at your manufacturer of choice.

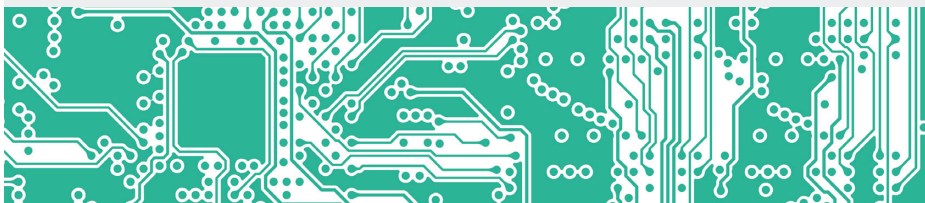
EK Power Solutions can also take full responsibility for series production including warranty.

### Our design commitments

Working at a high level of commitment, we pledge to develop quality products that will be of long-term benefit for our customers.

A custom design solution made by EK Power Solutions should be characterised by the following:

- › Have a robust and reliable design
- › Have a very low field failure rate
- › Be energy-efficient
- › Have a smart system design and be optimised from a system perspective
- › Have first-class manufacturing documentation



## References



“EK Power Solutions is a company that provides us as an EMS-supplier with high quality manufacturing documentation. Working with EK Power Solutions means that we can minimize the amount of preparation we have to do and instead focus on our production and deliveries. That they are also a company with high ethical standards and very nice employees is just a bonus.”

Niklas Lind,  
CEO, Inission Stockholm



“For many years we have had a very good cooperation with EK Power Solutions. They have helped us with everything from complete power electronics and circuit board layouts to EMC-investigations and troubleshooting. For us, it has also been valuable in an early stage to discuss technical ideas and suggestions. We appreciated EK Power Solutions especially for their high level of expertise, solid experience and great accuracy.”

Erik Baker,  
Group Manager Electronics Design,  
R&D Atlas Copco

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