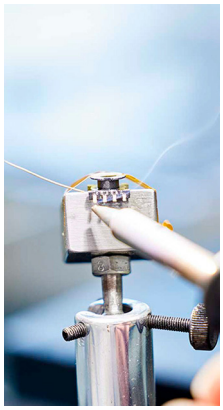
FLUX

Transforming and filtering components for the most demanding environments

Custom-designed efficiency and durability to match your application

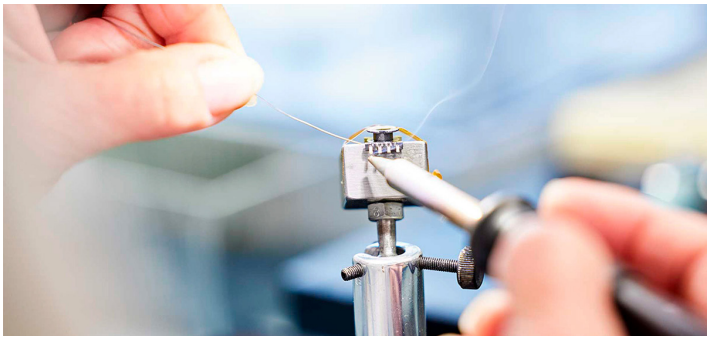
Flux offers magnetic components with a proven track record in even the most demanding environments, such as space, defence, and avionic applications



At Flux, we design and manufacture highly reliable magnetic components for aerospace applications, including launchers, satellites, and space transportation systems. Our inductive components—such as transformers, chokes, and coils—are built to meet the highest standards of performance and durability in extreme space environments.

Flux components are used in all European launchers, satellites, and additional spacecrafts, as well as in major non-ESA programs like GPS and the James Webb Space Telescope. With in-house production in Denmark and full compliance with ECSS and NASA standards, we ensure precision, reliability, and long-term mission success.

From ground to orbit with decades of engineering excellence.



We have come a long way since 1980

1980 Danish registration

1995 Alcatel Space Denmark exclusive contract for Space Grade magnetics

2001 Commercial introduction to the Space sector, first customers Thales Alenia Space and International Rectifier HiRel (now Micross)

2015 Part of discoverIE Group plc.

US Space Baseline: MIL-STD-981/
MIL-PRF-27/MIL-STD-202 (Classes B & S)

EU Space Baseline:
ESCC3201/ESCC3201/013

HiRel Inspection Criteria:
IPC-610A Class III (MIL/HiRel)

Industrial Inspection Criteria:
IPC-610A Class II

Since 2019, Flux has been an ESA Technology Flow Qualified Manufacturer. This means that we are capable of developing, manufacturing, and testing magnetic components such as transformers, inductors, and chokes that live up to the highest standards imaginable - with a 0% fail-rate and with stringent testing of all materials and finished products.

Our products are used in various applications such as power supplies, converters, motor controls, interfaces, star-trackers, science equipment, gyros, docking systems, and Electrical Propulsion Systems — these are just examples of the many product areas we support.

Where innovation empowers orbit, road, grid, and industrial applications

Defence and Space

Flux is one of only seven ESA Technology Flow Qualified Manufacturers in the world. Our magnetic components are found in launchers, satellites, and in advanced deep-space missions such as ESA Solar Orbiter and the Mars InSight Lander.

Flux has also been supplying components for flight management systems, power supplies and air-conditioning to major commercial airliners for three decades. Our components are built to last throughout the expected lifetime of the aircraft.

Certificates: ISO 9001, AS 9100, ESA 364

eMobility

Flux works with leading manufacturers of charging systems and power supply systems for electrical vehicles, producing magnetics that power the future of mobility. We maintain IATF 16949 certification for our processes and offer AEC-Q200 qualifications for our products.

Renewable energy

Renewable energy – wind, wave, solar and energy storage – demands advanced solutions for power conversion and a wide range of applications. Our magnetics support the shift in how we generate, store, and consume energy in a more sustainable way.

Industrial

Pumps or PA systems, robotics or drives – our inductors, chokes, and transformers find their way into the heart of advanced and demanding industrial products of all sorts. When industrial robots need to be capable of stopping in a fraction of a second, producers rely on our magnetics to make this happen.

Certificates: ISO 9001, ISO 14001, ISO 45001

Next level
magnetics for power solutions.

Flux A/S

- part of discoverIE Group plc

Industrivangen 5

4550 Asnaes

Denmark

Phone +45 5965 0089

E-mail flux@flux.dk

Space & Defence inquiries

www.flux.dk

Email space@flux.dk

Flux International Ltd.

BLK C 5, 41/27 Bangna-Trad KM. 16.5

Bangchalong, Bangplee

Thailand

Phone +662 (02) 337 0201

E-mail flux@flux.dk

Flux.dk