




expando

*Tailored computing solutions for
the defense and aerospace sectors*




We provide tailored computing and electronics solutions for demanding defense and aerospace applications in Northern Europe.

Expando – Who we are

For over 22 years, we have been solving rugged computing and electronics challenges for all leading Nordic defense companies such as Kongsberg, SAAB, BAE Systems, Patria, FMV and many more. The key has been our expertise, along with close collaboration with world-leading suppliers of advanced electronics and technology. We are your strategic partner, with in-depth understanding of the specific challenges and needs of defense and aerospace. Our customers can mainly be found in the Nordics, Germany and the UK with end users in the world's most prominent armed forces.

A reliable, certified partner

Expando is Swedish independent company, 100% privately owned by the very strong and long term Tisenhult Group. Expando is ISO 9001:2015, ISO 14001:2015 and JOSCAR certified, which means we have efficient, systemized business processes. We have great financial stability with an AAA creditworthiness rating.

A satellite with solar panels is shown in space, positioned above a night view of Earth. The Earth's surface is illuminated with city lights, and the atmosphere is visible as a thin blue layer. The background is the dark void of space.

*Our products can be found
in civil and military aircraft,
satellites, submarines and
navy vessels.*

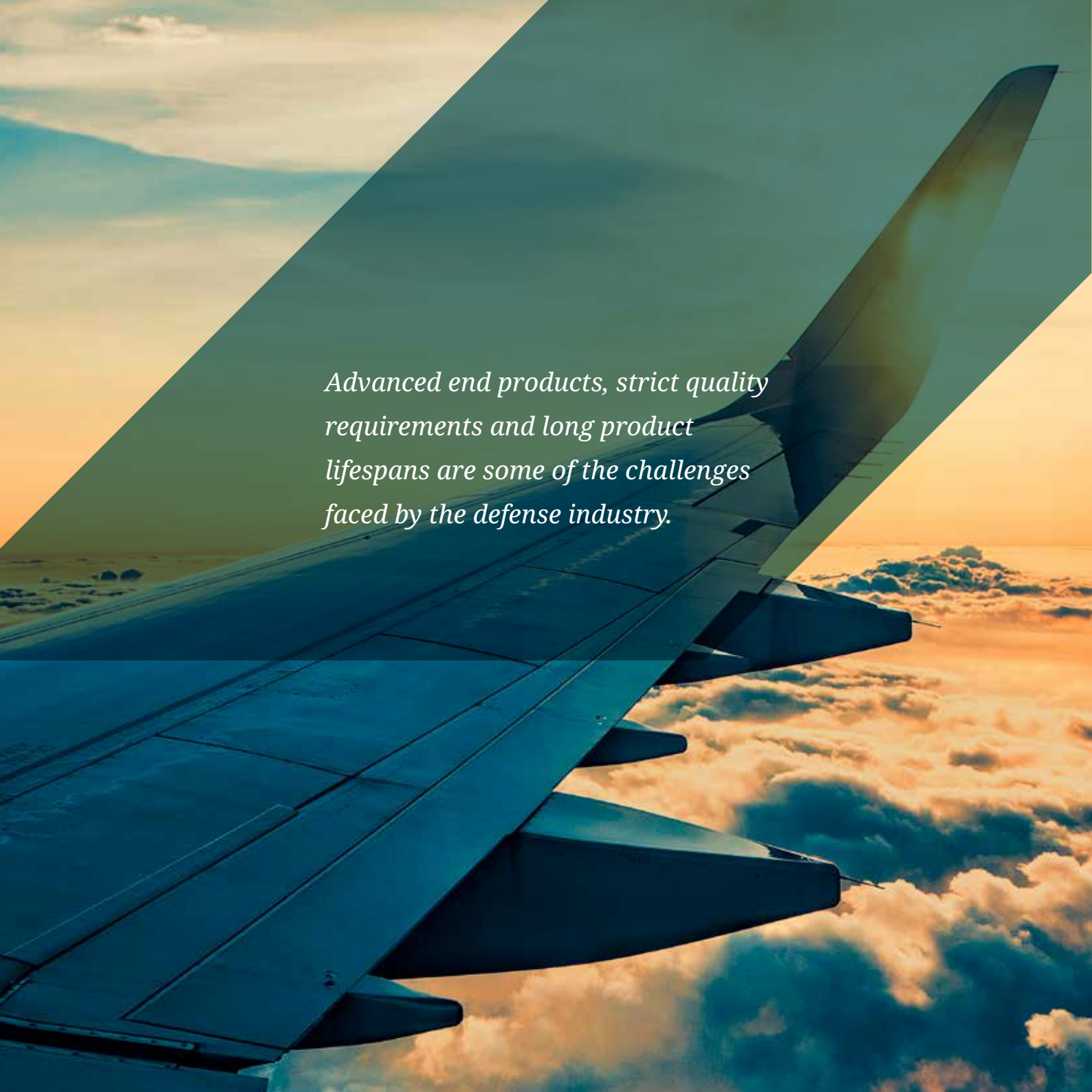
What we do

Expando is your fully specialized strategic partner, offering our own and partner based family of server products, board systems and embedded modules plus components from world leading suppliers. All offerings are based on military grade COTS (Commercial Off The Shelf) solutions in order to:

- Increase speed of delivery to digitalize the battlefield
- Reduce costs and risks

Expando has extensive experience in finding solutions for the challenges of the defense industry. They are often characterized by low volumes, long development times and advanced end products. We are a qualified supplier to most big companies in the industry.

Another common challenge is the products' long lifespan, requiring service and spare parts to be available for many years – often decades – into the future. All in all, this makes us a qualified business partner who are ready to take on your challenges from day one.




Advanced end products, strict quality requirements and long product lifespans are some of the challenges faced by the defense industry.

We enjoy a challenge

Challenge us with your problems. You may need a special solution, but based on something you already know to work. Expando gives you access to expertise in a broad field of operation. With us you work with a partner who understands you, your industry and its regulations. Moreover, you enter into a long-term business relationship, with access to servicing far into the future. We are the defense industry's strategic experts for advanced computing and electronics solutions.

On land, in the air and at sea

Together with our suppliers and partners we offer a wide range of solutions including rugged servers, board level products, power supplies, components and much more. Our products can be found in civil and military aircrafts, in submarines, navy vessels and in land based systems. The common denominator is that they are all demanding applications, often in small series with long lifespans.




Get there faster and more efficiently with COTS based solutions, tailored to your needs.

A flying start with proven solutions

One problem often has several solutions. You can build your own technical solution, but that is often very time-consuming. You can buy an off-the-shelf solution, but that doesn't quite give you what you need. Alternatively, you can start from an existing product and have it customized to your needs. This latter approach is the Expando way and offers several advantages.

- You get where you're going faster
- The resulting technology is tried and tested, and also tailored to your needs
- You reduce costs and risk

We give you a flying start thanks to our expertise and our close collaboration with suppliers.



We have extensive experience of specialized, high-quality products.

Our offering areas

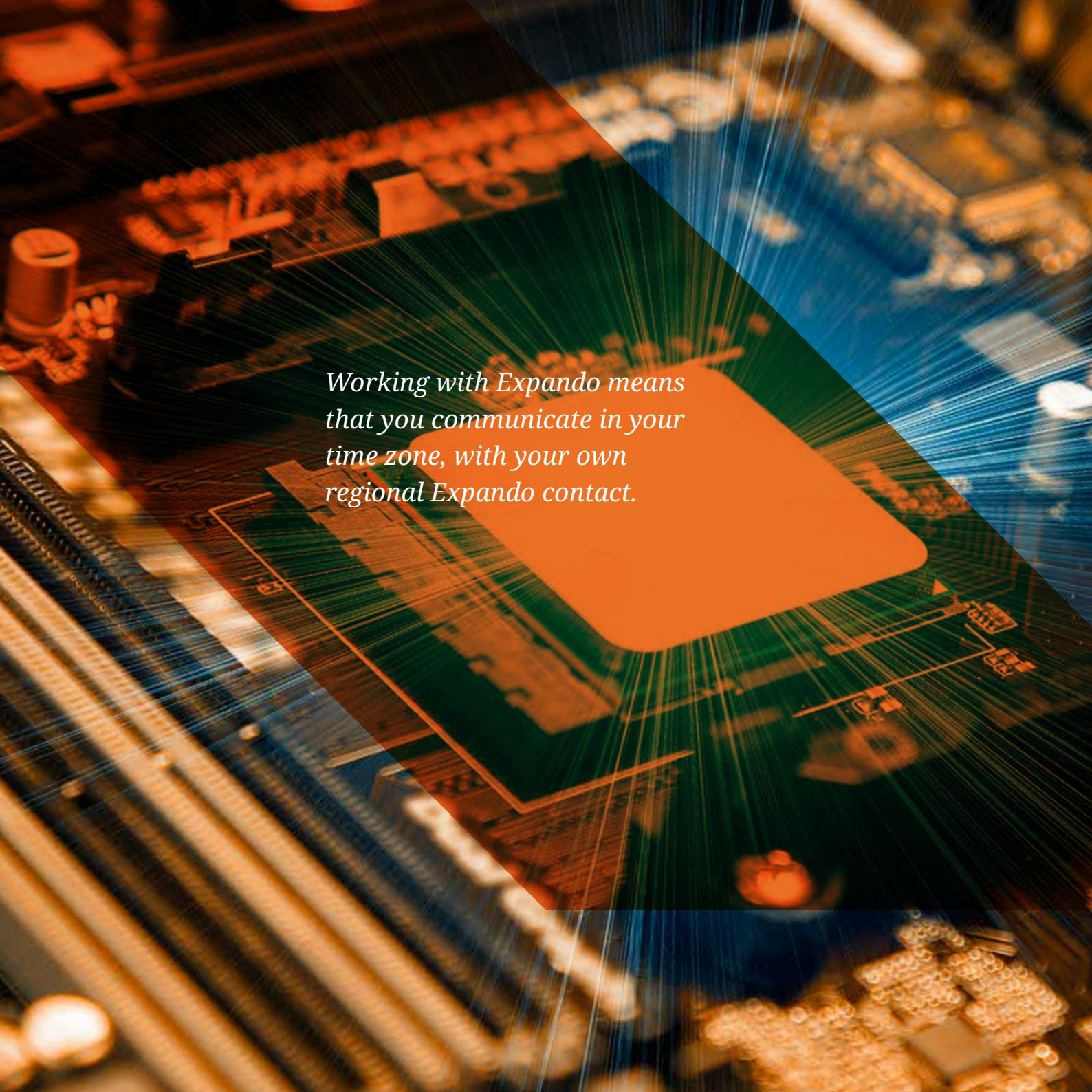
We offer a vast array of solutions, our largest product areas being:

- Military Grade COTS Servers and Boards, Mission Computers, Power Supply and Subsystems
- Military, Avionic and Space Components
- Flight-critical Software, Professional Services, after sales Support and Tools

We are especially proud of our own Half19" product design with rugged, high performance products such as:

- Half19" server
- Half19" server-short form factor
- Half19" NAS

We also have long experience of providing embedded graphics components, military fibre-optic transceivers and media converters.



Working with Expando means that you communicate in your time zone, with your own regional Expando contact.

Your gateway to world leading suppliers

At Expando we have close, long-lasting relations with our suppliers and they are often world leaders in their field. This entails many benefits for you:

- You have a regional Expando contact in your own time zone
- Your contact helps you through all phases of your programme
- You have access to our experience and know-how
- We are here to assist you long after product delivery

You come to us with your problem. In close dialogue with you, and together with our suppliers and partners, we then work out a technical solution that's suited to your particular needs.

Expando's suppliers are world leaders in advanced technology and electronics.

Some of our suppliers



High-reliability Connectivity, Power and Control

Data Device Corporation (DDC) designs and manufactures data bus, MIL-STD 1553, motion control, and solid-state power controller products. www.ddc-web.com



Embedded computing solutions

Extreme Engineering Solutions, X-ES, provides a wide range of embedded computing COTS and modified COTS products to the world's leading defense contractors. All of X-ES's COTS products are standards-based, including VPX, VME, CompactPCI, XMC, PrPMC, PMC and COM Express standards. www.xes-inc.com



High Performance Computing Technologies

GOMA Rugged Solutions provides mission computers and rackmount Servers and Workstations based on Open standards architectures for the harshest environments. Proudly made in northern Italy. www.gomarugged.com



DC-DC converters and EMI filters

VPT, Inc. provides high-density, low-profile, lightweight DC-DC converters, EMI filters and custom engineering services for avionics, military, and space applications. www.vptpower.com



High-density 3D space electronics

3D Plus is a worldwide supplier of standard and custom high-density 3D microelectronic products. www.3d-plus.com

*We are your strategic partner, providing
innovative solutions for your defense
and aerospace computing needs.*

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