

From Ideas to Products

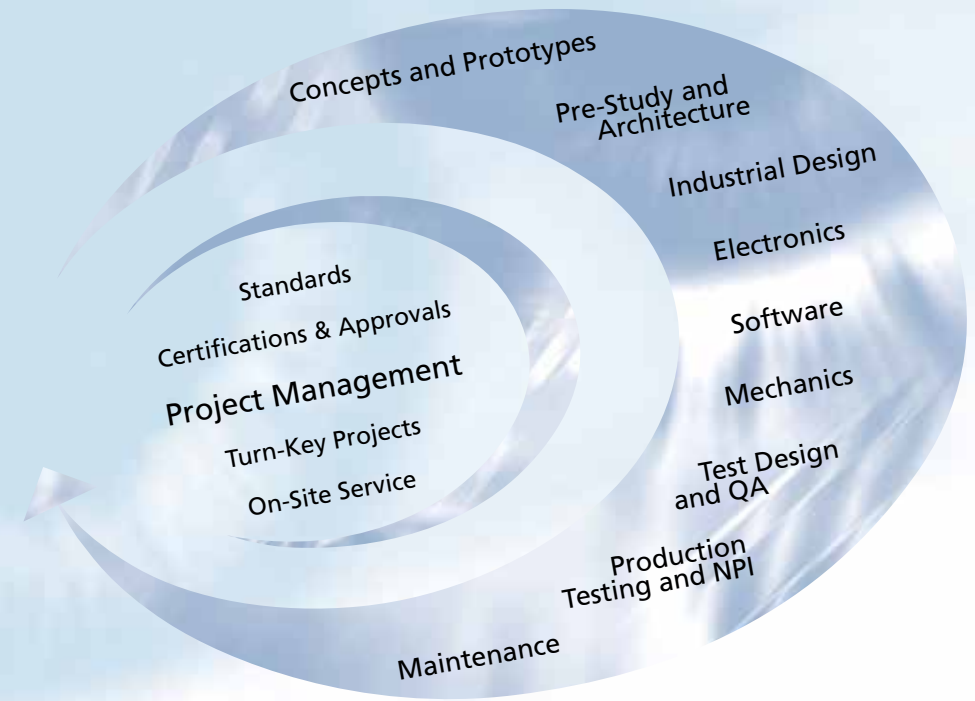




From Ideas to Products

Our development services cover the whole development life cycle from idea and concept prototype into

maintenance of high yield mass production. Our project management process guides activities in all phases.



Espotel is the leading provider of engineering services in the field of embedded systems and electronic devices. Our wide-ranging experience of advanced and demanding product development turns into our clients competitive advantage for their business.

Professional Design Service

From an idea to prototype and on to maintenance of high yield production, Espotel's design services cover all aspects of embedded systems.

Our project management process guides all phases of electronics, layout, embedded software, mechanics, testing and industrial design, ensuring a high quality result.

Our service models adjust according to the project need: turn-key projects, on-site service, professional consulting or any combination of these. We make effective use of our own designs and IP as a starting point for projects and provide all needed documentation for further development and manufacturing.





R&D Test Services

Traceability, change control, requirement management, testing and test coverage estimation are essential parts of any R&D activity to ensure safety and compliance to requirements.

Proper quality assurance methods also help in detecting any faults and conflicts already in the requirements, saving time and money later in the project. The resulting development process has a known and controlled quality level.

Production Testing

Shortened product lifecycles, increased product complexity and price pressure

makes the New Product Introduction (NPI) process ever more challenging.

Espotel's NPI experience and modular Procket platform for production testing saves time and money in the long term and is suitable for production testing of both circuit boards and final products.

ODM Products

As a natural extension to design services and production testing services we also manage the whole product as an original design manufacturer (ODM) taking care of production and design maintenance of a customer or application specific product.

PROCKET Test System Family

The Procket Test System family is designed to meet today's automated testing needs cost effectively. Procket functional testing platform is targeted at typical industrial volumes and product mixes of electronic devices from board level testing, product design verification tests to end product testing after final assembly.

"With its modular design, the Procket test system and components with proper product life cycle test management cut time and tester development costs and improved the total quality of our product."

Espotel Customer



Procket Flex platform provides the highest degree of flexibility and is typically used for the most complex products.

Procket Compact is designed to minimize the size of the test system while keeping the high quality of Procket test platform.

Both platforms come either with the changeable test adapter/cassette or with fixed adapter, and utilize the same Procket test software and Procket cameras, high power, safety, digital and analog measurements, communications, key manipulators and RF components



Special Competence Areas

During our long history in the field of embedded systems we have acquired competence in several application specific areas to serve our international customers.

Medical device and equipment development requires trained quality engineers and project managers, able to apply methods and processes defined by IEC 60601 and ISO 13485 to ensure FDA, EN and other international approvals.

Espotel has extensive experience in the design of safety critical systems for various industries. We have a comprehensive set of tools, process and procedure definitions, guidelines, templates and checklists to meet the requirements of IEC 61508 and other relevant standards.

Many of our designs are also required to be ATEX compliant both for the electronics and the mechanical part.

Espotel is ISO 9001 certified.

"Jhumar is Espotel's first own ODM product design. We are surprised how well it has met our customers needs as such or with slight modifications."

Pertti Kauppinen
Managing Director
Espotel Oy



From Technology Platforms to Commercial Products

Espotel continuously develops new technology platforms, speeding up the design of our client's products.

These platforms reduce project costs and risks, shortening time to market, with the flexibility to suit a multitude of applications.



Jhumar is a multifunctional ODM Linux user interface device with versatile connectivity for industrial applications. It is suitable for many applications such as measurement and control, high end GUI, internet services and many others.



Companies relying on Espotel's development services:



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