

FDI, EXPERT IN THE DEVELOPMENT OF YOUR SPECIFIC SOLUTIONS

DESIGN & BUILD, CUSTOMIZED SUPPORT

Design & Build is the assurance of being able to rely on a trustworthy and experienced player for the development of access control, intercom and IoT systems, throughout the all product lifecycle. From innovation, design (electronic, mechanical, or software), prototyping, industrialization, to EMS 4.0 production, FDI offers:

- Drawing up specific specifications,
- Research and development based on predefined or jointly-defined specifications,
- Design of electronic products,
- Industrialization and EMS production of electronic assemblies and sub-assemblies,
- Technical support dedicated to your project.



DISCOVER FDI CASE STUDIES...



Design & Build By FDi

THE STRENGTH OF A 4.0 PRODUCTION SITE

Established in Cholet (France) since 2021, FDI operates a 7900 m² design and manufacturing site, 4000 m² of which is specially dedicated to production and storage. Each year, FDI installs and brazes more than 100 million components from 3,000 different references, thanks to its state-of-the-art equipment. To maintain its level of technological excellence, FDI renews its installation machines every 5 years.



1989
Company creatio

180
Collaborators

32M€

3 SMC lines

DESIGN & BUILD, THE ASSURANCE OF CUSTOMIZED SUPPORT

DRAWING UP SPECIFICATIONS

Thanks to its expertise in designing and producing of electronic systems, FDI is able to produce specific specifications. FDI can also work on the basis of existing specifications following feasibility studies. FDI's objective is to provide electronic solutions fully adapted to its partners' needs.

RESEARCH & DEVELOPMENT, A DEDICATED DESIGN OFFICE

To remain at the cutting edge of innovation, FDI invests every year in its R&D department. With 70 engineers, FDI design office is agile, adjusting its working methods according to customer needs and project specifics. Design office is structured into 4 skills centers for specialized expertise:

Hardware

Embedded software

Web & mobile software

Innovation unit

CONCEPT AND DESIGN

FDI designs its products in-house, thanks to its design office and innovation unit, in line with its objectives:

- Manage and optimize the product lifecycle,
- Reduce the environmental impact of its products,
- Ensure high levels of reliability and performance,
- Ensure product traceability.

To achieve this, FDI handles electronic component sourcing, prototyping and product validation.

EMS 4.0 INDUSTRIALIZATION AND PRODUCTION

FDI masters the industrialization of electronic assemblies designed to integrate access control, intercom, proximity reader or IoT products. FDI's expertise enables us to adapt each plan to industrial processes required for volume production. FDI also provides support in choosing components and assists its customers in defining standards applicable to each product and its application

TECHNICAL SUPPORT

FDI provides support tailored to customers' needs:

- Sustainability: hardware & software obsolescence management,
- Repairability: long-term storage of components, after-sales service,
- Logistics: inventory management based on forecasts or fixed orders.

MANY PERSONALIZED PROJECTS ALREADY COMPLETED

HOROQUARTZ SUPPORT

Horoquartz has been a software publisher and integrator for over 50 years, supporting its customers with:

- Time, schedule and activity management,
- Safety and security,
- HR process management and dematerialization.

Horoquartz offers its customers badge readers for time management, badge readers, interface cards and UTLs for access control and intrusion detection. FDI played a key role in drafting Horoquartz's specifications. Electronic circuit components are chosen to be totally in line with the product's lifecycle. For this support, FDI proposes an all-



inclusive service that comprises: the design & technical study, the technical & mechanical study and development, the production tools (PCB, screen printing, etc.), Lexan and plastic injection.

DISCOVER THE PARTNERSHIP FDI X HOROQUARTZ...

AGS SUPPORT

AGS Soft Business Solutions is a French IT services company based in Strasbourg. Founded in 1994, Founded in 1994, AGS offers time management and physical access control systems. For 30 years, the company has relied on solid partnerships to offer the most effective



solutions on the market, perfectly adapted to the needs of SMEs and large groups. AGS, expert in time management, has chosen to review the access control solution offered to its customers and to rely on the expertise of an industrial partner specializing in access management. FDI masters the industrialization of electronic assemblies intended to integrate access control, intercom, proximity reading or IoT products. Within the framework of this support, FDI offers a complete customized service: customization of the control units, readers and software. FDI and AGS worked together to integrate all the elements of AGS' visual identity.



YOUR CONTACTS

FIND FDI ON...



#FriendlyAccess

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