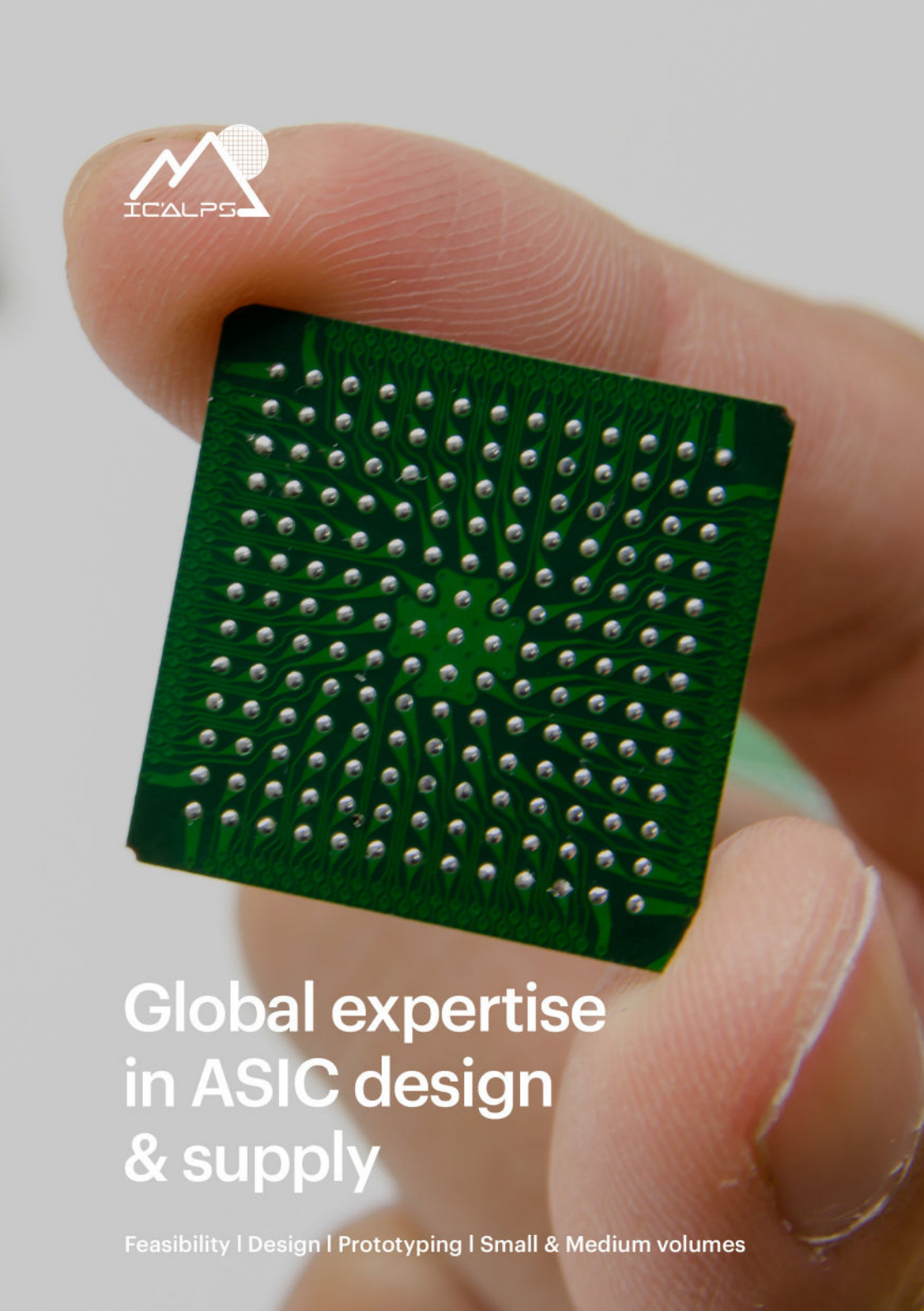


Global expertise in ASIC design & supply

Feasibility | Design | Prototyping | Small & Medium volumes

IC'Alps is your one-stop shop ASIC partner

We design and supply Application Specific Integrated Circuits (ASIC) exclusive and custom-made for our customers in the medical, industrial, consumer, mil/aero and transportation markets.

Our service portfolio is large and flexible from ASIC feasibility to ASIC mass production to fit your industrial process requirements.

We have an in-house pool of experts for system architecture, design, physical implementation, project management, and supply management. For each ASIC project we set our the team of specialists that will complement your team's capabilities towards supplying on target and cost effective Integrated Circuits.

Our Quality Management system is ISO 9001, ISO 13485 and EN 9100 certified.

Our goal

To help you unlock the potential of custom integrated circuits for increasing margins and enhancing performances in your product.

IC'ALPS

Turnkey ASIC development & supply

Need a trustful partner to manage the entire ASIC design & supply chain?
Integrating electronics for the first time into your next-gen product?
IC'Alps as prime contractor will support your custom circuit project from concept exploration to production:

- **ASIC Feasibility**
- **ASIC Development & Verification**
- **ASIC Prototyping**
- **ASIC Industrialization**
- **ASIC Production**

ASIC Industrialization

Already developed your ASIC prototype?
We can help you turn it into a manufacturable circuit

- **Supply chain identification**
- **Partner audit**
- **Test plan**
- **Qualification plan**
- **Production scoring**
- **Logistic & Storage**
- **Insurance**

Our customer-driven ASIC services

Choose your entry point in the ASIC value chain

Design services

Experienced with integrated electronics but need some support with your design?
The a-la-carte model is made for you

- **Analog design**
- **RTL Design**
- **Synthesis**
- **Physical design**
- **Floor planning**
- **Timing verification**
- **Design verification**
- **Tape-out**

CIR accreditation
To enable the eligibility of the R&D operations carried out by IC'Alps.

01

02

Gain access to our ASIC specialists

Complement your team's skills and development capabilities by outsourcing your ASIC design

01.

IC'Alps is a team of 35+ experienced ASIC implementation specialists

02.

We have the design expertise needed for your project

- Analog, Mixed-signal, or digital ASIC development
- Risc V or Arm-based circuit implementations
- Certified Arm design partner

03.

With a focus on

- Low power circuit designs
- Sensor/MEMS AFE interfaces
- High voltage implementations
- Low noise data conversion
- Security features
- Digital IP design & integration

04.

Our projects generally combine in-house analog and digital blocks and some third party IPs

Standard cells & IO, interfaces, power management, PLL/DLL, ADC/DAC, memory, MCU...

- Better time to market
- Lower cost compared to full in-house design
- Reduced risk

arm APPROVED DESIGN PARTNER

Our markets and applications

Your idea into a differentiated chip exclusive and custom-made for you

From our technical centre in France (Grenoble area), we support multiple projects in the demanding medical, industrial, transport, IoT, and mil/aero sectors.

Healthcare

- Monitoring
- Drug administration
- Imaging
- Diagnostics
- Wearables

Industry

- Motion sensing
- Quality monitoring
- Surveillance
- Gaz sensing

IoT

- Home automation
- Smart city
- Environment sensing
- Connected objects

Transport

- Electric cars
- Railway
- Drones
- Autonomous vehicles

Mil/Aero

- Communication
- Satellite
- Aeronautics
- Defence

03

Certified QMS

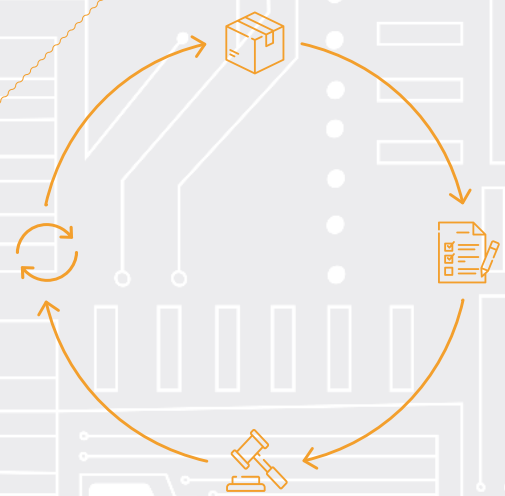
Minimize your technical and commercial risks

IC'Alps is the first European independent ASIC design house with a Quality Management System (QMS) certified according to EN 9100, ISO 13485 and ISO 9001 standards.

You can rely on IC'Alps to deliver your exclusive ASIC, right-on-first path and on-time whatever your application.

04

What a certified QMS means for your ASIC



ASIC benefits

Make your product stand out with a custom Integrated Circuit

Custom Integrated Circuits offer the flexibility for unique customization and product differentiation but also some economic advantages.

Miniaturization
- Electronic components integration
- Smaller Printed Circuit Board
- Reduced product weight and size

Protection
- Full system integration
- Intellectual property and know-how protection

Autonomy
- Less active external components
- Better power management control
- Lower power consumption

Features
- New functionalities
- Optimization of performances
- Specific regulatory compliance

05

IC'Alps is your partner

From concept exploration to production

06.

In-house ASIC implementation expertise to translate any application requirement to a custom chip

Global supply chain for ASIC prototyping, industrialization and production

ISO 9001, ISO 13485 and EN 9100 Quality Management System (QMS)

Flexible cooperation models

Foundry-independency for flexibility with technologies, type of collaboration and production volume

IC'Alps
33, Boulevard des Alpes
38240 Meylan, FRANCE
+33 (0)480 42 13 40

sales@icalps.com
www.icalps.com

Let us know your ASIC needs