



Your ASIC Design & Supply Partner

Feasibility | Design | Prototyping | Industrialization | Production

Customer-driven ASIC services



Full 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

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

Choose your entry point in the ASIC value chain



Design services

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

- Analog design
- RTL Design
- UVM verification
- Synthesis
- Physical design + DfT
- Floor planning
- Timing verification
- Design verification
- Tape-out

Get access to our ASIC specialists

Complement your team's skills by outsourcing your ASIC design

01.
IC'Alps is a team of 45+ experienced ASIC implementation specialists

02.
We have the design expertise for your project

- Analog, Mixed-signal, or Digital ASIC development
- RISC-V or Arm-based circuit implementations
- Arm approved 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 combine in-house analog and digital blocks and some third party silicon-proven IPs
Standard cells & IO, interfaces, power management, PLL/DLL, 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 an exclusive,
custom-made, and differentiated chip

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



Healthcare

- Monitoring
- Drug administration
- Imaging
- Diagnostics
- Wearables



Industry

- Motion sensing
- Quality monitoring
- Surveillance
- Gaz sensing



IoT / IA

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



Transport

- Electric cars
- Railway
- Drones
- Autonomous vehicles



Mil/Aero

- Communication
- Satellite
- Aeronautics
- Defence



Digital Identity and Security

- Biometry
- Secure boot
- Banking

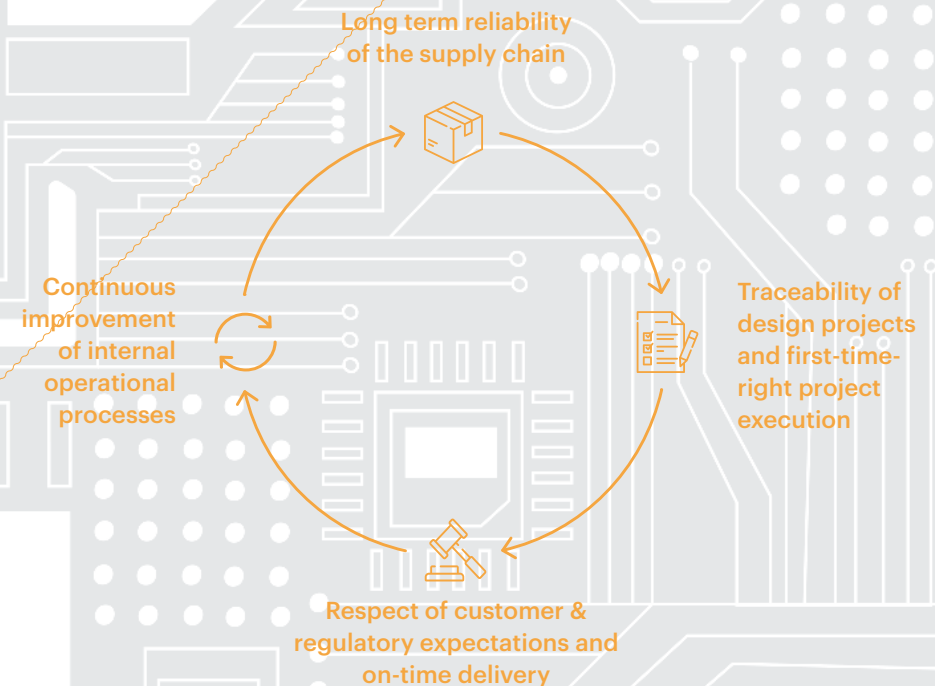
Quality Management

Minimize your technical
and commercial risks

IC'Alps is the only European independent ASIC design house with a **Quality Management System (QMS)** certified according to **EN 9100:2018, ISO 13485:2016 and ISO 9001:2015 standards. IC'Alps is also Common Criteria-ready.**

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

What a certified QMS means for your ASIC



ASIC benefits

Make your product stand out
with a custom Integrated Circuit

Custom Integrated Circuits offer flexibility for unique customization, product differentiation, and 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



Features

- New functionalities
- Optimization of performances
- Specific regulatory compliance



Autonomy

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



Economic Advantage

- Reduced BoM
- Lower price per unit
- Optimized supply chain

Your partner

From concept exploration
to production



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



Flexible cooperation models to complement the expertise of our customer's teams



Global supply chain for ASIC prototyping, industrialization and production



Foundry-independency for flexibility. Chosen technology is tailored to economical constraints, volumes, and technical specificities



ISO 9001:2015, ISO 13485:2016, EN 9100:2018 Quality Management System (QMS) and Common Criteria certified

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, transportation and IoT/IA markets.

Our services portfolio is large and flexible from ASIC feasibility to ASIC mass production to fit your industrial process requirements. At the end of the project, the circuit is fully-owned by the customer.

We have an in-house pool of experts for system architecture, design, physical implementation, project management, and supply management. For each ASIC project, our team of specialists will complement your team's capabilities. We supply cost-effective Integrated Circuits in time and matching your specifications.

Our Quality Management system is ISO 9001:2015, ISO 13485:2016, EN 9100:2018 and Common Criteria certified.

Our goal

To help you unlock the potential of your product, enhance its performance, increase your margins thanks to Application Specific Integrated Circuit (ASIC).

What would be your ASIC need?

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