



CIC designs and manufactures analog and mixed-signal Application Specific Integrated Circuits (ASICs) and System-on-Chips (SoCs) for a broad range of industrial automation applications. Extensive experience in sensor interface design and ultra-low power applications enables CIC to deliver complex analog and mixed signal solutions to reduce costs, size and protect IP.

## Broad Market Capabilities

- Factory automation
- Heating, Ventilation and Air Conditioning (HVAC)
- Building Energy Management (BEMS)
- Security systems
- Home Energy Management (HEMS)
- Industrial equipment



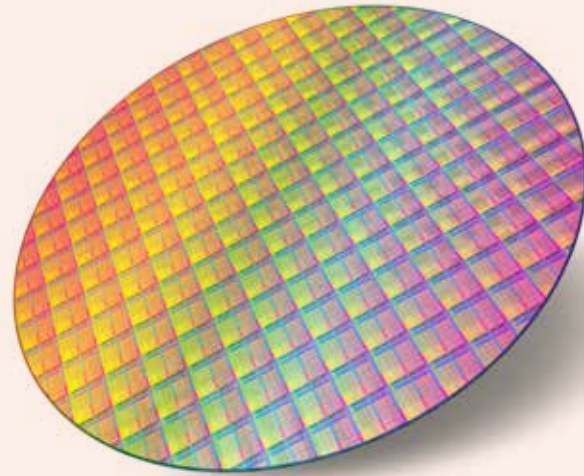
## Proven Success for Multiple Applications

- Actuator control
- Solenoid and motor control
- Encoders
- Smart meters
- Sensor interface
- Network monitor and control
- I/O control
- Power supply management

# Custom Integrated Circuits

## ASIC & SoC Capabilities

- 8 to 32-bit micro controller cores
- On-chip FLASH
- Power management
- Temperature sensor interface
- Integrated sensors and control
- MOSFET drivers
- On-chip monitoring/prognostics
- Broad I/O selection
- Data conversion



## Industrial Automation Capabilities

- High-temperature operation to 150°C ambient
- High voltage to 200 V with on-chip isolation up to 100 V
- Broad CMOS, BiCMOS and Bipolar foundry process options



- Broad range of cost-effective to high-performance package options
- EIC-61508 supported development flow

## Tough Analog & Mixed Signal Experts

- Forty five legacy specializing in mixed-signal architecture with strong know-how and IP reuse
- Nearly 400 production ASICs at Tier-1 OEMs with over 97% first-time functional silicon success with 20-Year Assure Supply and Buffer Stock Inventory Programs



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