

## AUTOMATION



TLSI 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 TLSI 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

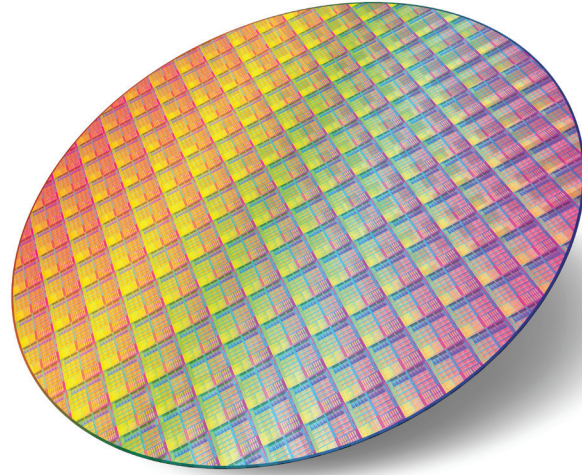
### Proven Success for Multiple Applications

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

# Telephonics Large Scale Integration (TLSI)

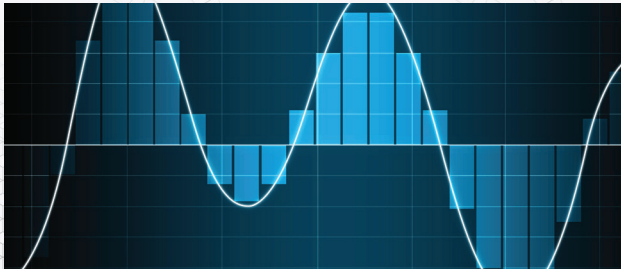
## ASIC & SoC Capabilities

- 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-year legacy specializing in mixed-signal architecture with strong know-how and IP reuse
- Nearly 400 production ASICs at Tier-1 OEMs with > 90% first-time success
- 20-year production guarantee and buffer stock inventory

For additional information, contact TLSI at 631.470.8851 or visit [www.telephonics.com/tlsi](http://www.telephonics.com/tlsi)