

## Access provider – MCCI



### Select access type - **Micro-Power Management**

Access to Low power analog & mixed signal design for IoT building blocks.

#### Technical offering

- Expertise in Low power analog & mixed signal circuit design for IoT building blocks
- Advice for process node selection trade-offs
- High-level system modelling in MatLab
- Circuit design, layout design, simulation, analysis using industry standard tools
- Silicon prototype evaluation

#### Main equipment

- Analogue mixed-signal design tools from Cadence Design Systems and Mentor Graphics
- Knowledge management tools from ClioSoft and Atlassian
- Compute infrastructure – 192 CPU cores, 1.4TB RAM, 48TB RAID
- Process Design Kits from 10 fabrication companies ranging from 0.35um to 28nm
- Bench characterisation equipment for silicon circuit prototype evaluation

#### Typical applications

Many applications valuing low and ultra-low power design techniques, including mobile consumer, wearable devices, implantable Medtech, and IoT edge devices incorporating power

management (with or without energy harvesting), sensor interface (analog-to-digital conversion), and low power wireless communication.

**Case study**

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**Responsible**



**Attached**

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