

SensiML: Enabling Predictive Maintenance at the Sensor

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The next leap in predictive maintenance will have every essential machine, bearing, motor or robotic arm monitored 24/7 to detect problems. We are just now seeing the hardware that will make this economical: low cost high-power SoC's such as the ARM M4, high fidelity MEMS sensors and the next generation of long range low power networks. The critical last piece is software tools that empower application developers with the ability to turn sensor data into useful information at scale. In this demo we will show how developers can leverage SensiML's AutoML features along with support for Tensorflow Lite for Micocontrollers to generate and deploy tinyML algorithms to low-powered embedded SoC's for local classification of time-series sensor data.