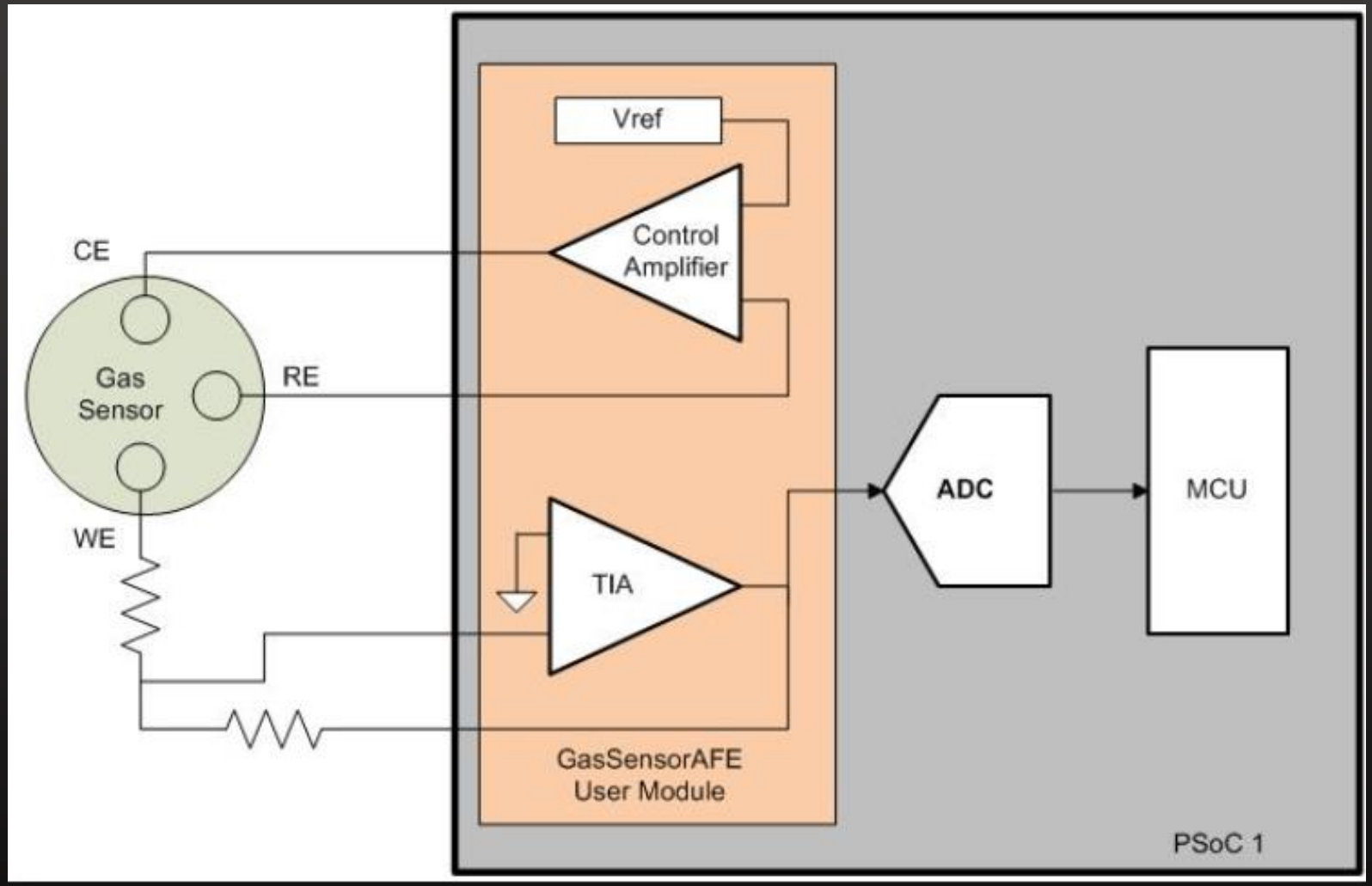
Coursera Specialization on Embedding Sensors and Motors

University of Colorado **Boulder**

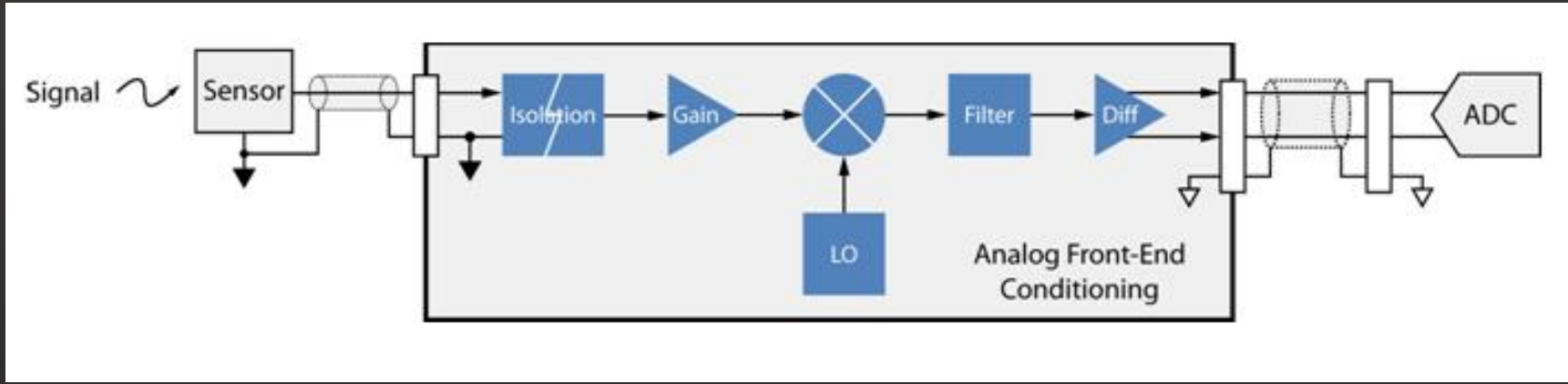
Rough Architecture of Sensor System



[1]

This gas sensor analog front end uses two amplifiers and an ADC

Sensor System With Signal Conditioning



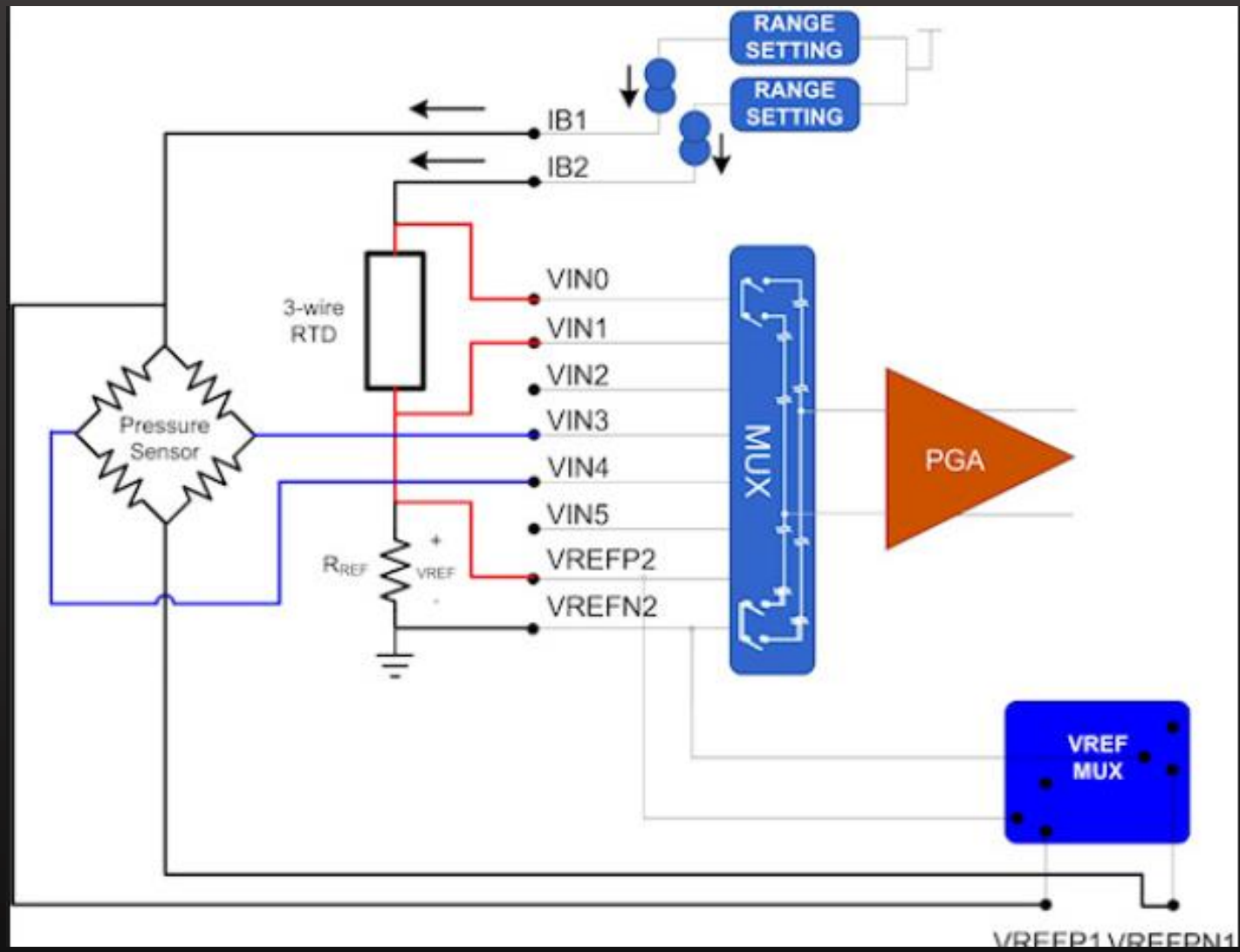
[2]

Analog front end

[3]

16 bit, 50MSPS Four Channel, Sensor AFE from TI

Signal Conditioning Located Close to Sensor



[4]

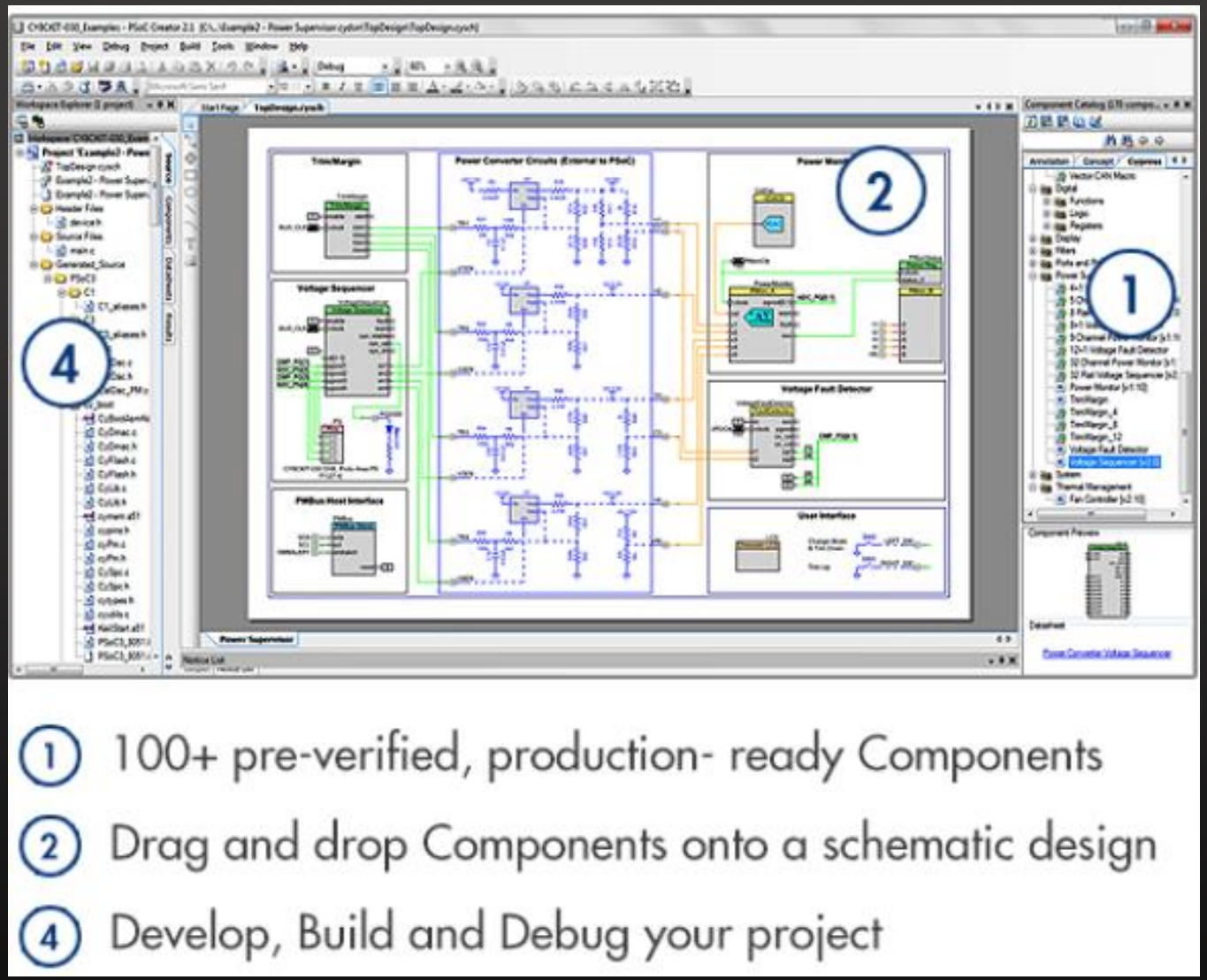
Analog front end for pressure sensor

Microprocessor With Built-In ADC

[5]

Cypress PSOC5 microcontroller

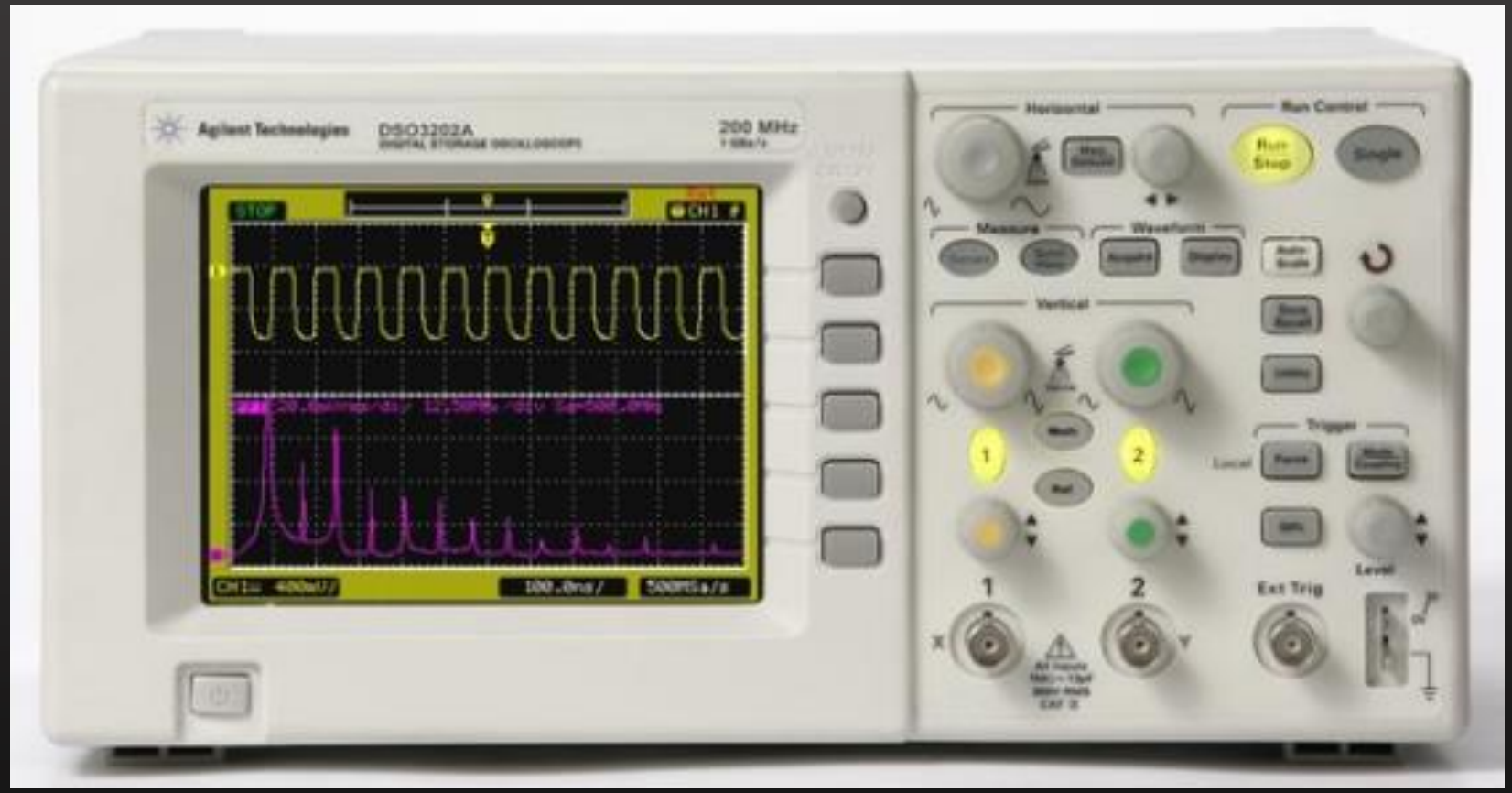
Software Environment



[6]

Cypress PSOC Creator software environment

Typical Data Acquisition Device



[7]

Agilent DSO3202A Oscilloscope: 2 Channel, 200 MHz, Color Display

Citations

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