

Emerging Sensors

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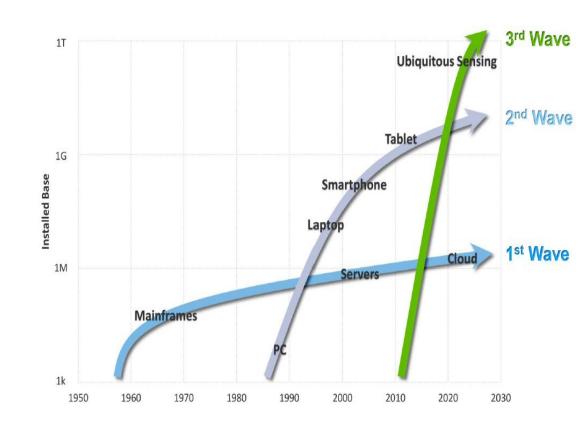


Analog DevicesLooking forward to the 3rd Wave of Ubiquitous Sensing

We have a 50 year heritage in measuring, sensing and interpreting the real world

Notable Facts:

- Founded in Boston in 1965 by Ray Stata & Matt Lorber (MIT classmates)
- Market leader in data converters and high performance amplifiers
- \$3.4B in Sales (FY15), 19% R&D
- Over 9000 employees (nearly 1/3 engineers)
- 100,000 customers and 20,000 products
- Three CEOs in 50 years
- First semiconductor company in Ireland
- Approx. 1/3 revenue from Europe







Innovation within A Global Supply Chain

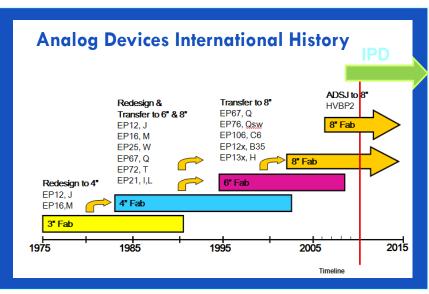
Design, Development, FAE, Manufacturing, Packaging, Test Centers



Analog Devices International Limerick Ireland

- Established in 1976 as ADI's CMOS Facility: 40 Year Milestone in Limerick in 2016
- 1,100 Employees in the Limerick Campus
- 2 Fabs:
 - State-of-the-art 200mm Wafer Fabrication Facility
 - "More than Moore" 200mm fab with Integrated Passives and Advanced Material Capability
- New EU R&D Building opened in July 2015 : €50M investment by ADI in this 14,000m² building
- First office building in Ireland to achieve LEED Platinum Certification
- Campus with six different Business units
- New Product development and R&D : >100 new products / annum





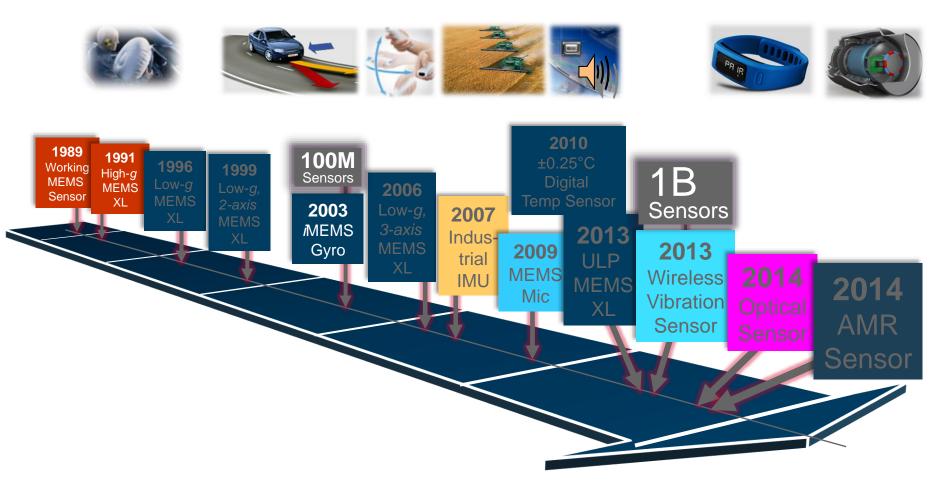
Industrial Sensing

► Enabling a smarter and connected Industrial world...



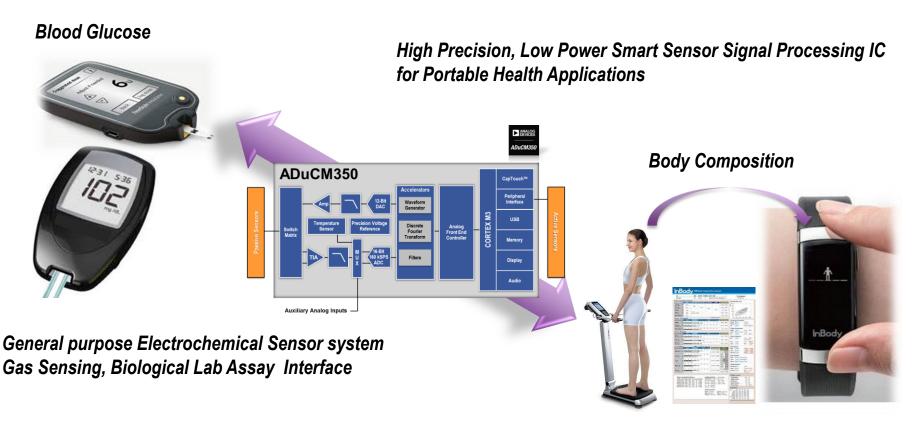


MEMS & Sensor Leadership From Analog Devices 25 Years of Firsts and Milestones





Electrochemical Sensor ASSPs Healthcare Meter on a Chip







ADI Sensor to Cloud Spectrum

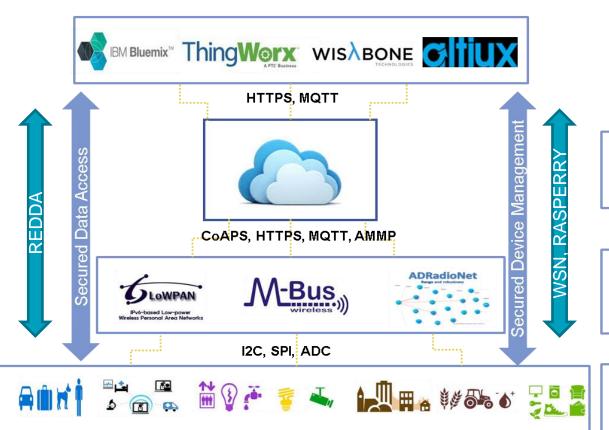
Industrial Internet of Things



Things / Sensor Management

> Things / Sensor Networks

Things / Sensors



ADuCRF101

ADuCM3025

ADF703x

ADF7023

ADF7024 ADF7021

ADuCRF101

ADT75, ADT7310 ADXL362 ADXL345 AD7151 8



Summary

- ► ADI is focused on delivering real world examples of value capture within the loT spectrum
 - Indoor and Outdoor Air Quality Sensing are of strategic interest to ADI
- ► ADI has a strong background and capability in smart sensors
 - 8" MEMs and Advanced Material Fabrication, High Precision & Low Power Signal Processing, Complex Assembly, Gas Characterisation/Test Lab and IoT eco-system
- Customers want more complete solutions
 - We want to partner with innovative sensor technology and system experts to enable us to deliver compelling solutions to the market
- ► Next exponential wave and opportunity is upon us
 - Growth rate and Timing of this wave will be dictated by
 - Enabling technology
 - Protocol and standards
 - Regulatory requirements
 - Business model challenges



Final thoughts...



"We tend to overestimate the effect of a technology in the short run and underestimate the effect in the long run"

Roy Amara

Thank You

Questions/Comments?

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