

Innovation & PME – JRAM

Verbier, 26-27 juin 2017



Global semiconductor design and manufacturing

We design,
manufacture,
test and sell
semiconductor chips

A history of **reinvention**

Oil exploration



1930s



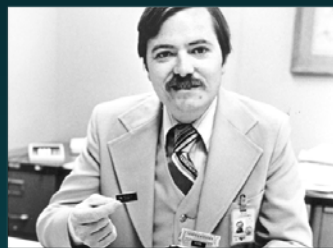
Defense systems

1940s

Integrated circuit



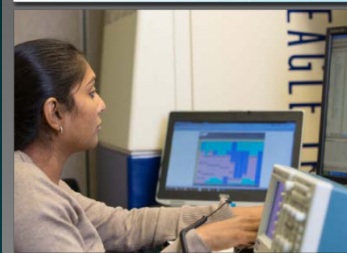
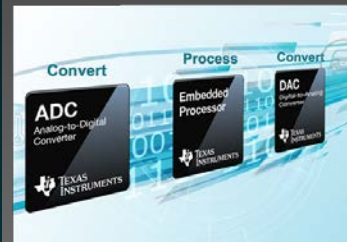
1950s



Processors

1970s-'80s

Analog & embedded processing



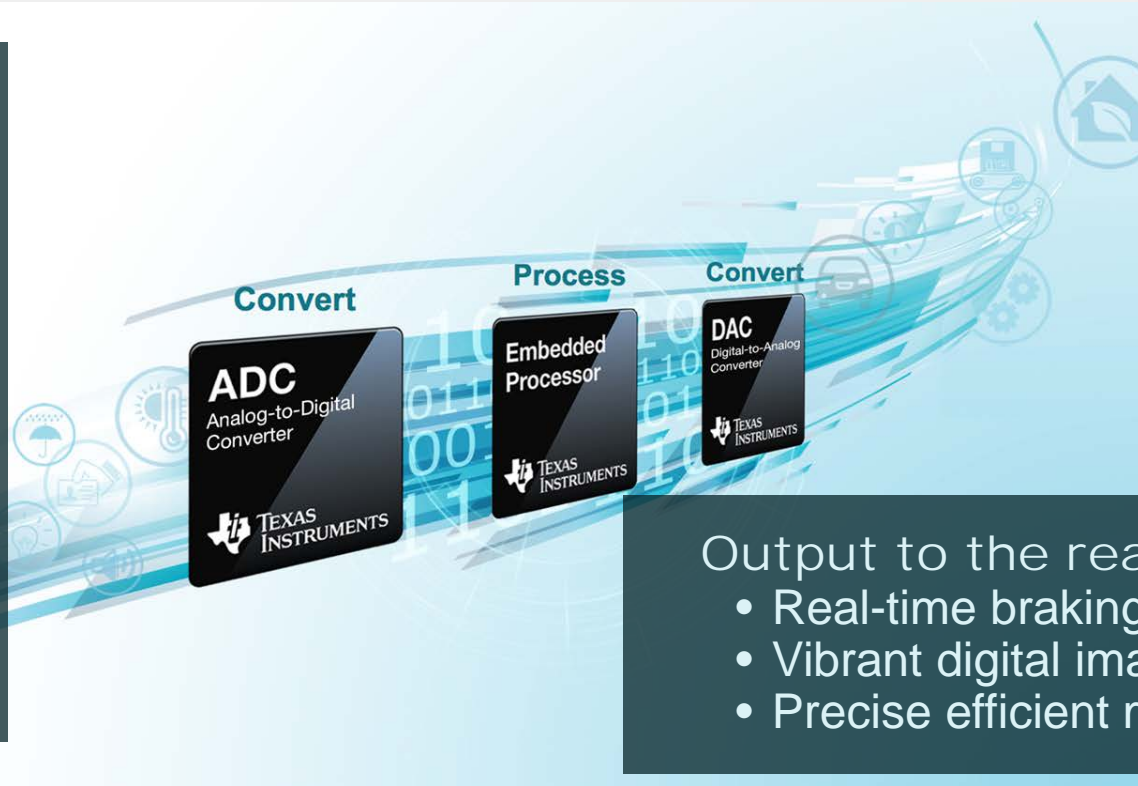
Applied research in Kilby Labs

2000 to present

Analog and Embedded Processing make electronics work

Gather information from the real world

- Temperature
- Pressure
- Position
- Speed
- Flow
- Humidity
- Sound
- Light



Output to the real world

- Real-time braking systems
- Vibrant digital images
- Precise efficient motors

Diverse and global **workforce**

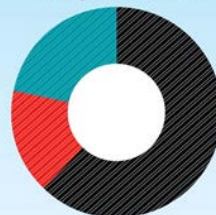


More than
30,000
Employees in
35 countries

TI @ a glance

Revenue in 2016:

Total: \$13.37 billion



(in billions of dollars)



Capital expenditures:

\$531 million

R&D: \$1.37 billion

Solutions for **all** markets

Enabling
endless
applications



Innovation and R&D

\$9 billion
invested in the past
5 years*



TI has more than
40,000
patents

*2010-2014

TOP technology trends

2017 TOP TECH TRENDS



High voltage



Personal electronics



Smart cities



Autonomous Systems

→ TI innovates for SMEs



TI E2E™ Community

Learn more about the new E2E community

- Responsive design
- New system notifications and alerts
- Find your solutions faster
- Help solve problems with fellow engineers and TI experts

TI store: Your design starts here


- Sample or purchase the right parts for your project
- Browse **thousands** of development tools and software products
- Everything you need in **one convenient place**

Visit the industry's first online classroom for analog design

- Experiential, customized learning
- Curriculum for all levels
- Comprehensive course materials
- Tour TI Precision Labs

Best support to move faster on the market

→ TI innovates for SMEs



Detect objects in obstructed views for intelligent safety

Unprecedented accuracy at the micrometer level

systems with motion sensitive detection and tracking

Intelligent street lighting
Sensing performance that improves pedestrian safety and provides power/cost savings through intelligent triggering of lighting

Traffic monitoring
Detect traffic location and volume more accurately



Business Projector
5500 ANSI Lumens



HDMI

VGA

RS-232

Mini
USB

CE



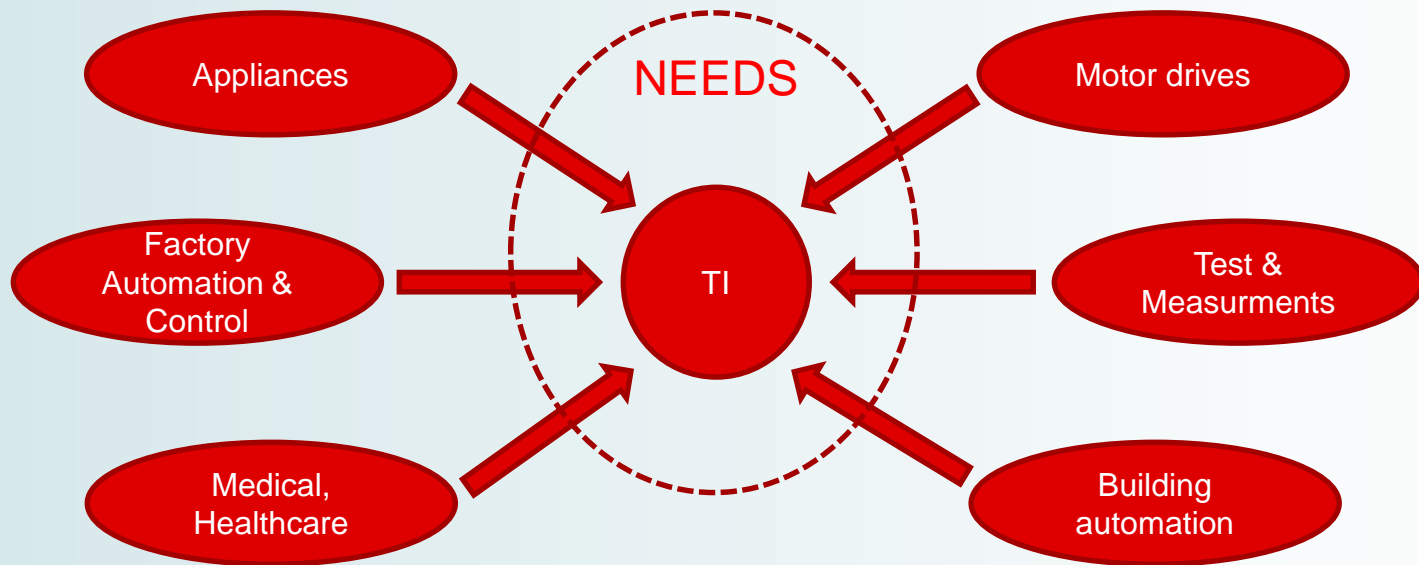
From vertical to broad

← SMEs help TI to innovate



Bringing new intelligence !

← SMEs help TI to innovate



No innovation without SMEs !

TI activities with EPFL



Teaching labs

- Give Workshops & Seminars at EPFL with TI experts from Academia
- Donate HW (samples & EVMs) and SW licenses for lab experiments



Research

- Collaborate with different chairs to fund research projects
- Sponsor PhDs



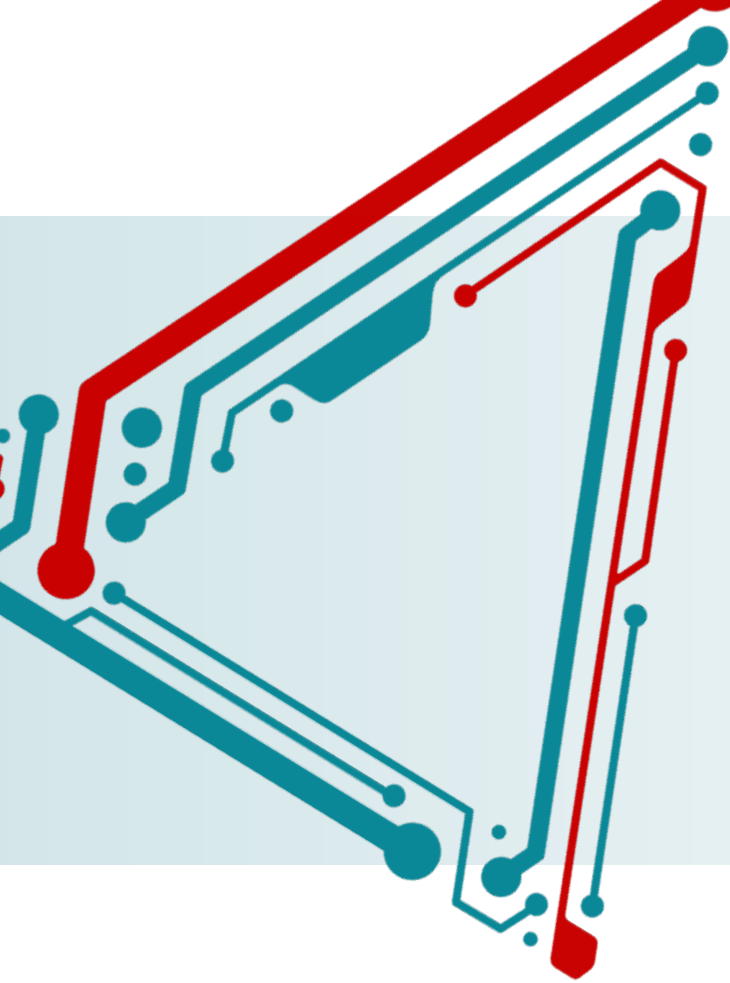
Events

- Premium partner for the ESSDERC 2016 Conference
- Premium partner for the DATE17 Conference



Motivate Students

- Collaborate in MOOC creation with Pierre Yves Rochat on Coursera
- Organize Tutorials and competitions at EPFL on IoT



Thank you