INVENTING FOR LIFE - THE CONNECTED WAY
Almost 60,000\(^1\) researchers and developers work at Bosch: at 120\(^2\) locations worldwide, in a single network.

\(^1\) As of 12.16 \(^2\) R&D locations with >50 associates, as of 12.16
The Bosch anti-skidding system ESP® saves thousands of lives each year.
Gasoline direct injection as key technology for greater efficiency and dynamism.
BOSCH – TECHNOLOGY TO ENHANCE QUALITY OF LIFE
POWER TOOLS AS AN EXAMPLE

The Bosch Ixo is the world's best-selling power tool, with about 16 million Ixos sold.
BOSCH – TECHNOLOGY TO ENHANCE QUALITY OF LIFE
EXAMPLE: HOME APPLIANCES – SERIES 8 OVENS

Home appliances for everyone who wants to achieve perfect results easily.
BOSCH – A GLOBAL NETWORK

- 390,000 Bosch associates
- More than 440 subsidiary companies in some 60 countries
- 2016 sales: 73.1 billion euros
BOSCH – A GLOBAL NETWORK
FOUR BUSINESS SECTORS

Mobility Solutions

Industrial Technology

Energy and Building Technology

Consumer Goods
TAKING THE NEXT STEP:
A HIGH-TECH COMPANY THAT IS ALSO A SUPPLIER OF SERVICES
“The hardware business will remain, but it will be connected with innovative services”

Excerpt from the "annual press conference" of Bosch on 27th April, 2016
BOSCH IOT CLOUD INTRODUCTION

Provided Services for IoT Solutions

- **SaaS**
  - Connected mobility
  - Connected industry
  - Connected home & building
  - Connected energy
  - Connected city

- **PaaS**
  - Bosch IoT Suite

- **IaaS**
  - Compute
  - Storage
  - Network

Marketplace

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NO MORE HASSLE:
PARKING IS BECOMING CONNECTED AND AUTOMATED

One-third of city driving is taken up with finding a parking space. **Bosch** is revolutionizing parking
LIVING INTELLIGENTLY:  
BOSCH TECHNOLOGY IS MAKING HOMES SMART

Bosch contributes an excellent concept and a powerful brand
INDUSTRY 4.0
THE NEXT INDUSTRIAL REVOLUTION
INDUSTRY 4.0 AT BOSCH

Fusion of the physical world of production with the virtual world of information technology and the internet.
Bosch portfolio for the whole value stream
CLOSING THE CIRCLE
ENGINEERING DATA FUELING A CONNECTED COMPANY
CONNECTING DIVERSE COMPANIES
THE SIGNIFICANCE OF DATA CONTINUITY

GLOBAL COMPANY
HETEROGENEOUS BUSINESS UNITS
DIVERSE PRODUCT PORTFOLIO

HETEROGENEOUS DEVELOPMENT ENVIRONMENT
PLANTS WITH DIFFERENT INFRASTRUCTURE
WIDE VARIETY OF SUPPLIERS AND CUSTOMERS
CONSUMMATION OF ENGINEERING DATA
CROSS-DISCIPLINARY COLLABORATION: SIMULATION AS VALIDATION LAYER

Model-based data transfer

Requirements

Module Design

Design

Simulation

Validation

Integration

Product
CROSS-COMPANY COLLABORATION IN COMPLEX SUPPLY CHAINS

Model exchange among companies
At Bosch we see JT developing from an exchange format for geometry data to a container for cross-divisional consummation of engineering data. The ISO standard JT Format is a key component of our IT Engineering landscape.