M2M // IMPACT ALONG MANY INDUSTRIES

1. Transport & Logistics
2. Vehicle Telematics
3. Smart Metering/Smart Grid
4. Connected Consumer Electronics
5. Security
6. Retail & Commerce
7. Industrial Automation, Monitoring & Control
8. Healthcare
9. Public Sector & Infrastructure
INDUSTRIE 4.0 // MARKET DRIVERS

40% is the share of worldwide manufacturing (a total of EUR 6,577 bn) held by emerging countries. They have doubled their share in the last two decades. As part of traditional industrial economies, Western Europe has lost over 10% of manufacturing value added, from 36% to 25%.*

1,350 BN
To assume a leading role in Industry 4.0, Europe will have to invest EUR 90 bn a year over the next 15 years – a total of EUR 1,350 bn.*

20%
Traditional industrial policy will not provide enough support for value creation in Europe. To reach the goal of 20% industrial value added (from 15% today), we propose a new agenda for shaping a vision of Industry 4.0 in Europe.*

Source: Roland Berger (2014), Industry 4.0 – The new Industrial Revolution – How Europe will succeed
INDUSTRIE 4.0 // COMPONENTS & BENEFITS

- Industry machines
- Devices
- Sensor technology
- Vehicles
- Steering systems
- Grids

Productivity increase and cost reduction
Support services for the employee
New business models
Increase competitiveness of German industry

- M2M
- Cloud Computing
- Big Data
- Networks
- IPv6
- ICT-Security

Jürgen Hase - VP M2M Competence Center - Deutsche Telekom AG
05/23/2014
REMOTE EQUIPMENT MANAGEMENT

Monitor and manage machines remotely – from wind turbines to manufacturing plants.
REMOTE TANK LEVEL MANAGEMENT

Highly improved distribution. 24% fewer fuel and gas delivery trips needed
M2M SOLUTION OVERVIEW

- Wind Power Plant Management
- Remote Equipment Management
- Serial Switch Network
- Solar Power Plant Management
- Water Flow Management
- Tank Level Monitoring
- Vending Telemetry
- Parking & Mobility Management
- Street Lighting Management

LIFE IS FOR SHARING.
M2M // CUSTOMER BENEFITS

INNOVATE & GROW

ANALYSE & OPTIMIZE

CONNECT & VISUALIZE

New Business

Data Analytics & Business Enhancement

Connectivity & Business Transparency
M2M // STRATEGIC APPROACH

- Standard and customized solutions
- DT as a one-stop M2M provider

HORIZONTAL SOLUTION ENABLING
- An open and scalable M2M management platform
- Extended device and data management

ACCESS
- Highly reliable connectivity
- Global footprint and seamless M2M services

END-TO-END SOLUTIONS
- Standard and customized solutions
- DT as a one-stop M2M provider
M2M // FROM SILOS TO LAYERS

ISOLATION

- Remote Equipment Management
- Serial Switch Network
- Remote Tank Level Monitoring
- Water Flow Management

HORIZONTAL SOLUTION ENABLING & OPEN API'S

- Secure Data Storage & Big Data Analytics
- M2M Application Services
- M2M Services Enabling Middleware
- M2M Access & Enabler Platforms

INDUSTRY

Vertical Solution

Vertical Solution

Vertical Solution

Vertical Solution

Vertical Solution

Vertical Solution

Vertical Solution

M2M Developer Platform
THANK YOU!

JÜRGEN HASE – Vice President M2M Competence Center
Deutsche Telekom AG
Landgrabenweg 151, 53227 Bonn

Mobile: +49 160 7166220
E-Mail: Juergen.Hase@telekom.de

http://www.m2m.telekom.com