

MIT M2M ZU INDUSTRIE 4.0

Jürgen Hase

Juergen.Hase@telekom.de

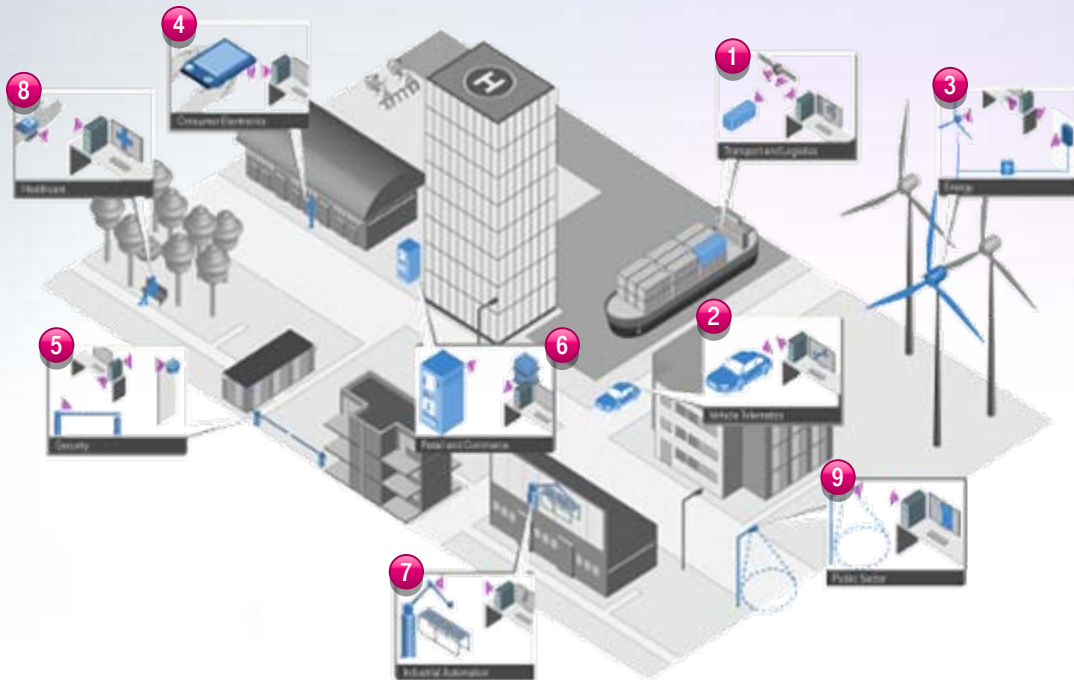
Darmstadt, May 23, 2014



LIFE IS FOR SHARING.

M2M // IMPACT ALONG MANY INDUSTRIES

M2M ECOSYSTEM



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**



LIFE IS FOR SHARING.

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.*



LIFE IS FOR SHARING.

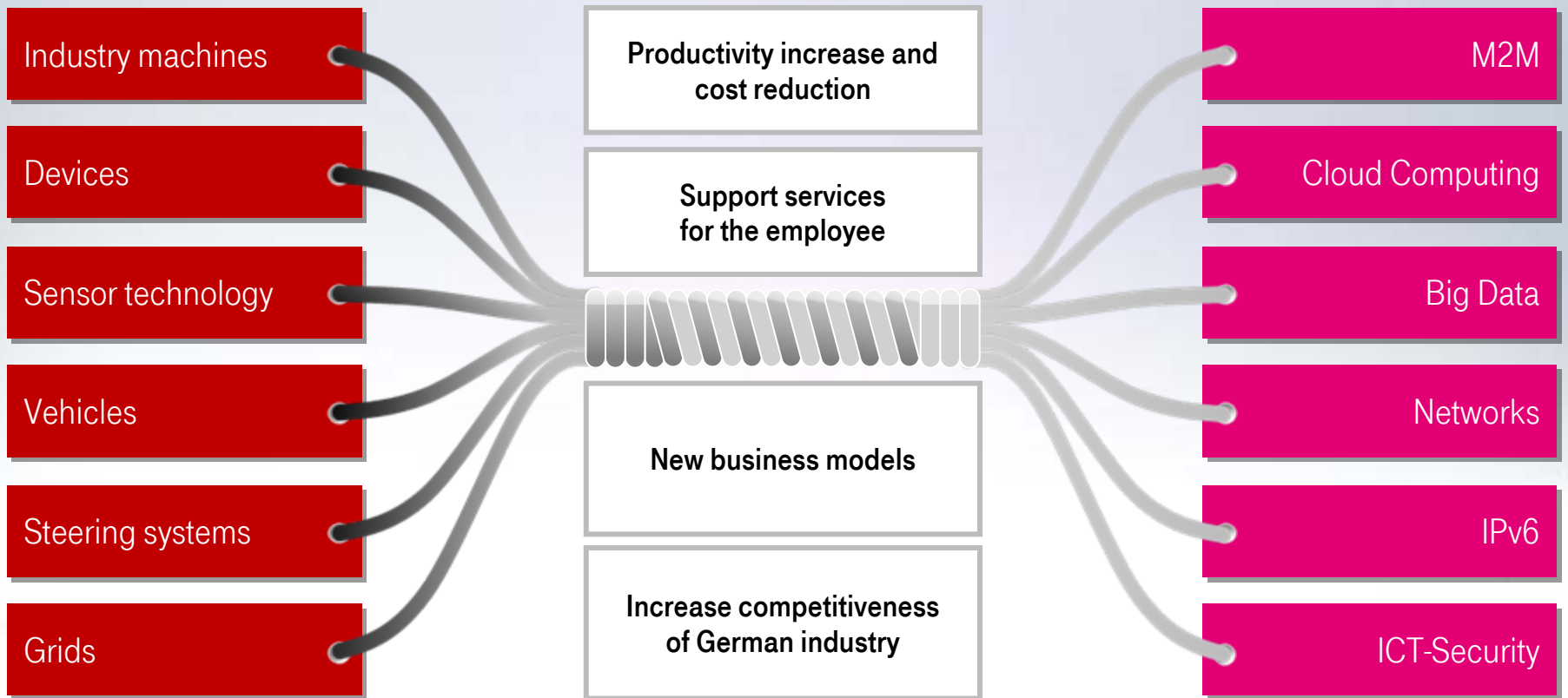
Source: Roland Berger (2014), Industry 4.0 – The new Industrial Revolution – How Europe will succeed

Jürgen Hase - VP M2M Competence Center - Deutsche Telekom AG

05/23/2014

3

INDUSTRIE 4.0 // COMPONENTS & BENEFITS



LIFE IS FOR SHARING.

REMOTE EQUIPMENT MANAGEMENT

Monitor and manage machines remotely – from wind turbines to manufacturing plants.



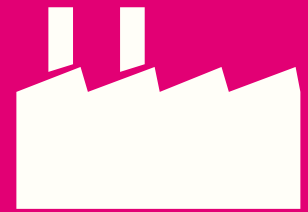
Wind Power



Photo-voltaic



Water Plant



Any machine or plant



LIFE IS FOR SHARING.

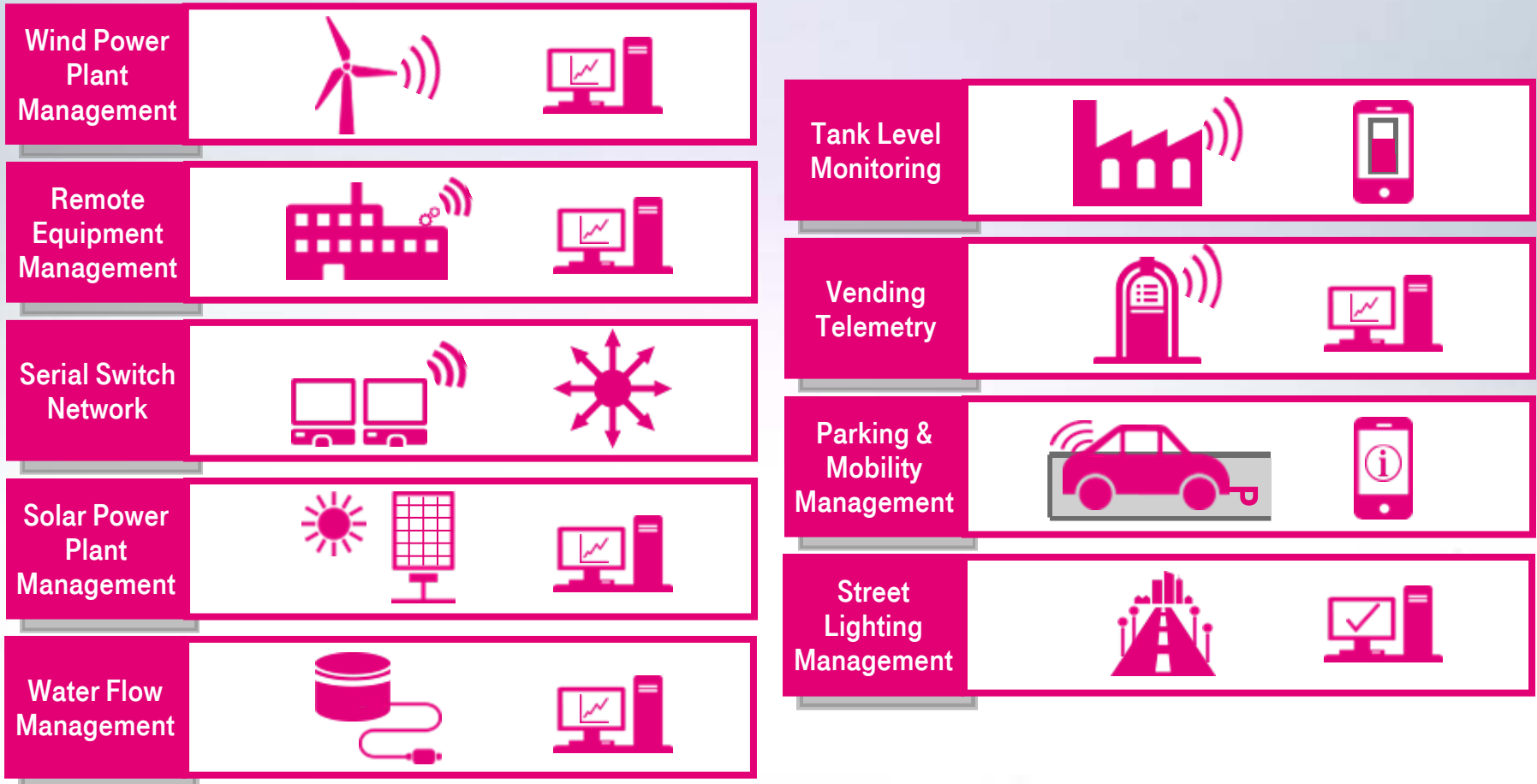
REMOTE TANK LEVEL MANAGEMENT

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



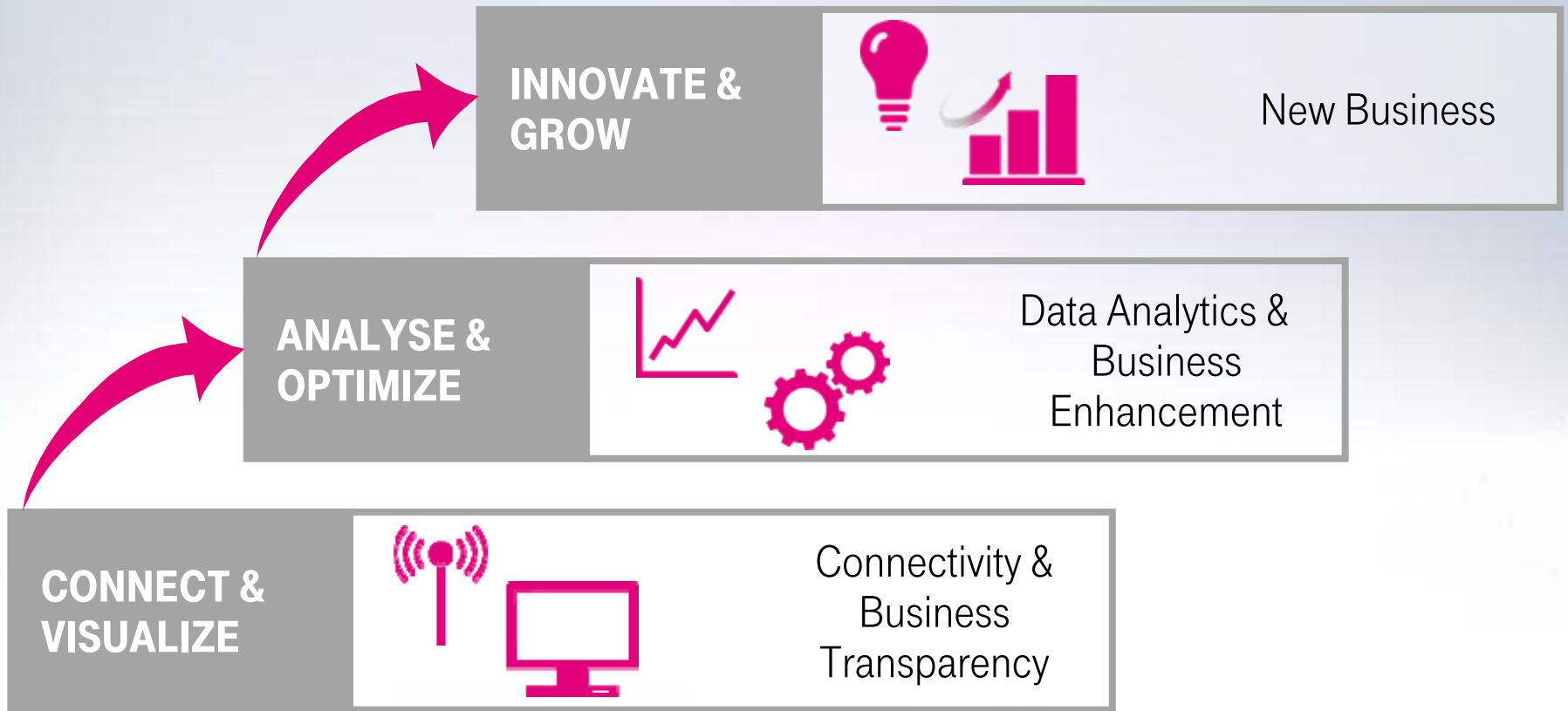
LIFE IS FOR SHARING.

M2M SOLUTION OVERVIEW



LIFE IS FOR SHARING.

M2M // CUSTOMER BENEFITS



LIFE IS FOR SHARING.

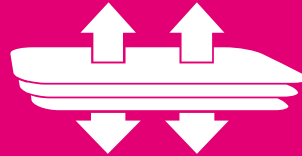
M2M // STRATEGIC APPROACH

- Highly reliable connectivity
- Global footprint and seamless M2M services

ACCESS



HORIZONTAL SOLUTION ENABLING



- An open and scalable M2M management platform
- Extended device and data management

END-TO-END SOLUTIONS

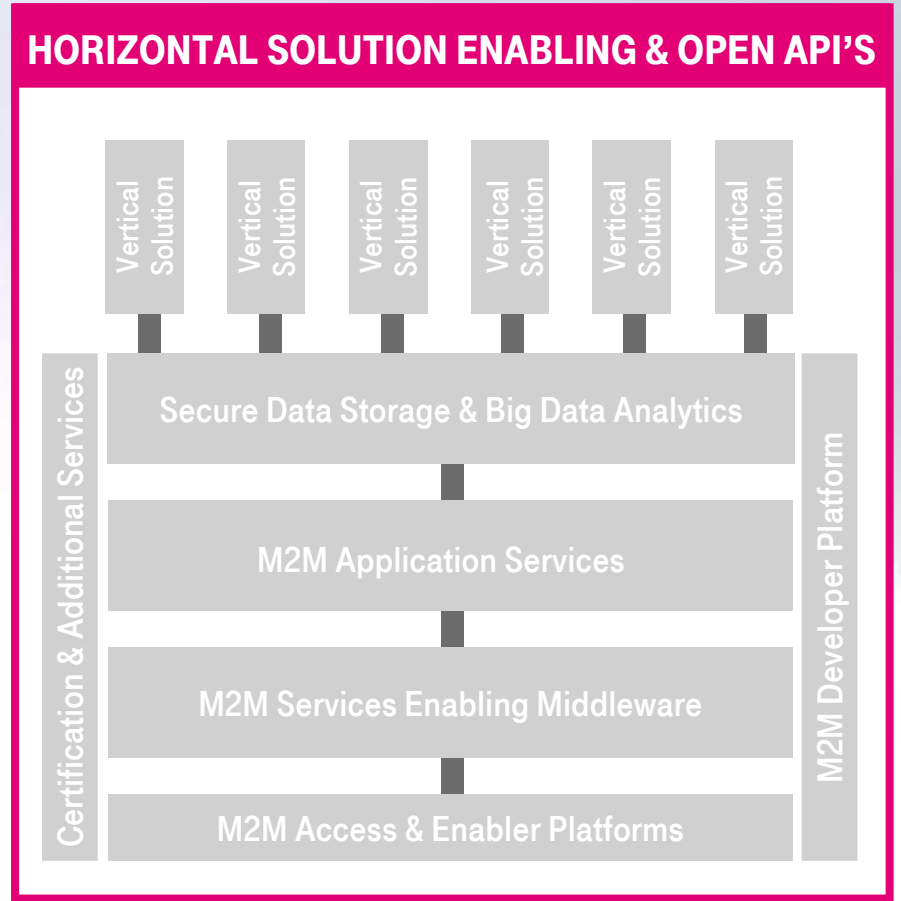
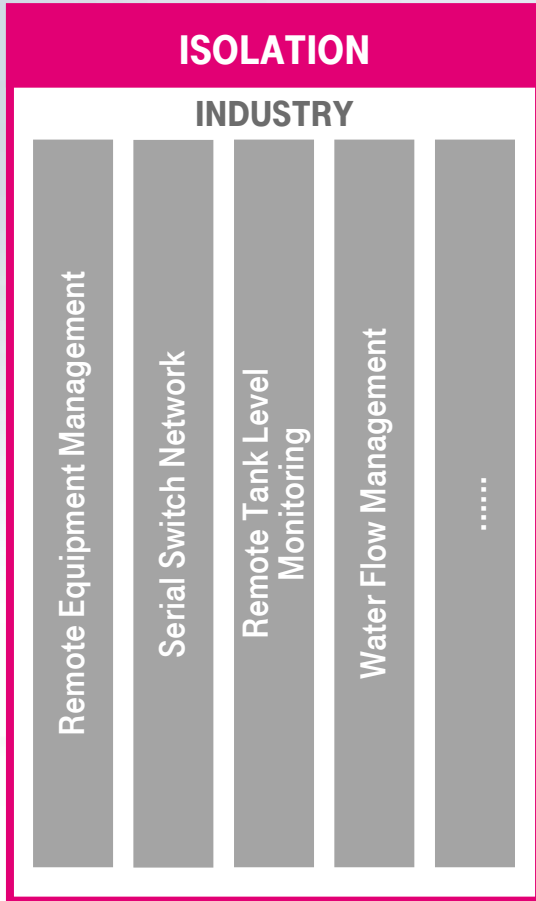


- Standard and customized solutions
- DT as a one-stop M2M provider



LIFE IS FOR SHARING.

M2M // FROM SILOS TO LAYERS



LIFE IS FOR SHARING.

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>



LIFE IS FOR SHARING.