



**future
matters**

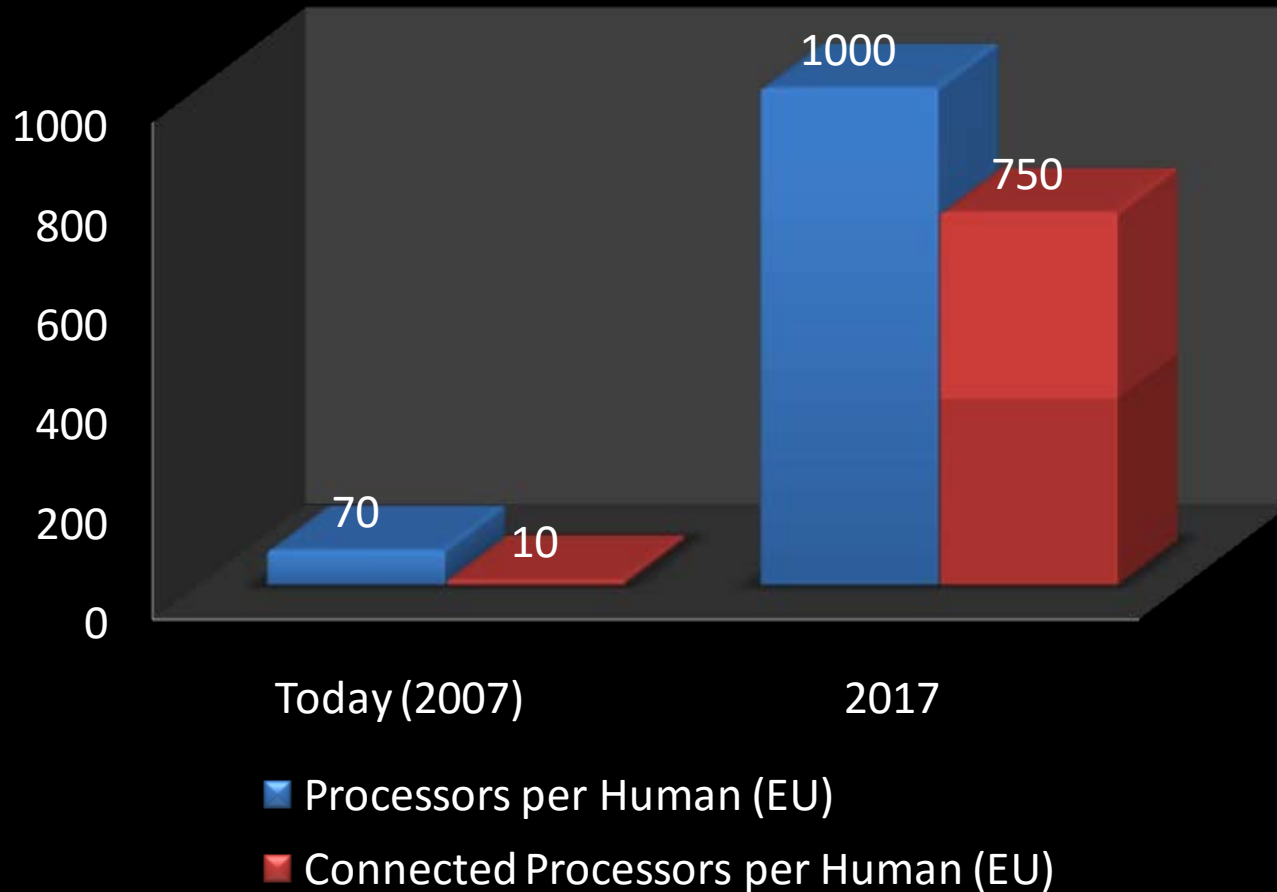
a Lars Thomsen Company

10 Years = 520 Weeks = 3652 Days

The number of changes in our economies, technology, politics and society in the coming ten years will be higher than ever before in human history.

Tom Peters, The Circle of Innovation, 2002

We are not really connected... ...comparing what is yet to come!



Data sources: Prof. Fleisch, University of St. Gallen (M-Lab);
Prof. Karl Aberer, EPF Lausanne in „Smart Earth: Networked Information“; Future Matters Research

Everything will be connected... Your shoes, for example

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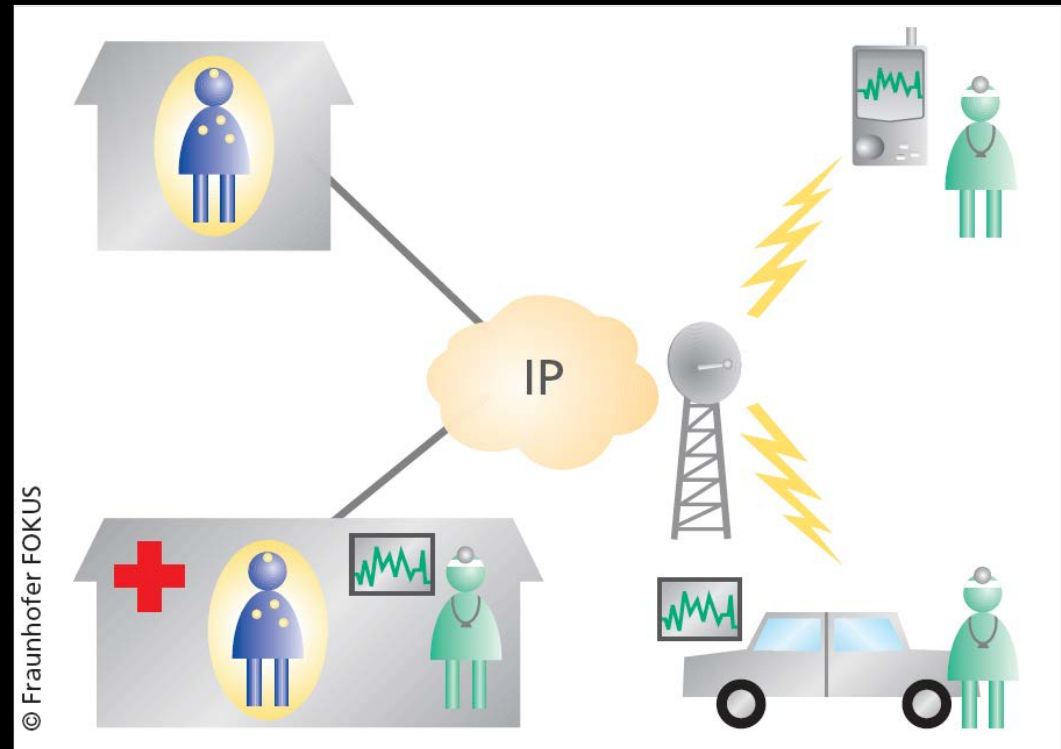


Nike Corp. (<http://www.nike.com>)



Everything will be sensed... Your body, for example

- Sensors will be everywhere: Not only in your car or in your shoes but on and inside your body as well to constantly monitor your health status.
- Interconnected wireless networks will ensure fast communication e.g. to hospitals if severe health problems occur



Body Area Network,
© Fraunhofer Institut für offene
Kommunikationssysteme

- If you like to fix something in your household: Use your Display-glasses and do-it-yourself in a guided tour
- If you need any kind of information or help while sitting in your car: The all connected cars will assist you. Before you even know you need help yourself.



Scalar (<http://www.scalar.co.jp>)

Everyone will be connected...

Mobile revolution in Africa

- New cell phone infrastructures enable the African people to better information – e.g. to place the right products on the local markets
- Cheap pre-paid cards (less than 2 Cent/minute) and a vast amount of second hand phones sum up to a growth rate of more than 400% in the last 12 months
- Positive side effect of this development: Freer speech in politically difficult countries



In Africa cell phones actually get mended (Photo: dpa on www.zdf.de)

Displays everywhere

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- OLED & LCD Technology will become so cheap, that we will see Displays everywhere
 - In your bathtub
 - At your ceiling / wall
 - Implemented into the bar
- You can even desktop manufacture your own display (printable displays)
- Due to the all-availability of displays combined with new near-field identification, the classic phone display is no longer needed



Microsoft Corp. (<http://www.microsoft.com>)

- The next memory generations will be enormous (>100 GB in cell phones)
- Memory already became an cash & carry item and all the different types of storage media will probably vanish for the end consumer altogether: Every device has enough memory and is interconnected to even more memory. Memory “is just there”, it’s in the net.
- The new high performance networks (like WiMax) will play a vital part in these developments



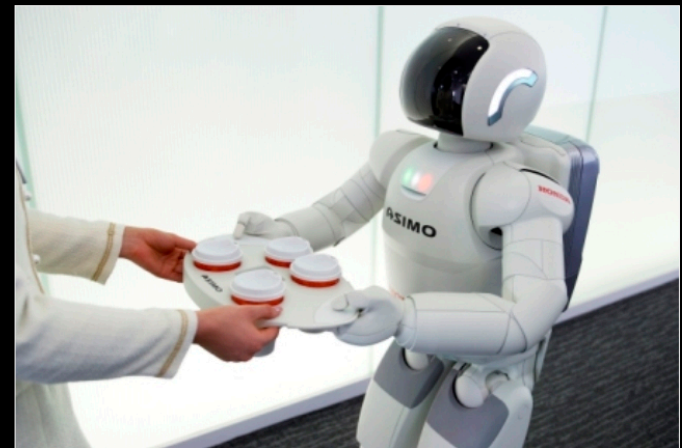
<http://www.flickr.com/photos/pacifist/>

Your next best friends are robots

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- Computer power, practically abundant & “connected” memory, advanced electromechanical components and new materials & fabrics will lead to a new social life form: The common household robot
- The first steps are taken (vacuum cleaners, educational toy robots, etc.)



Honda Corp. (<http://asimo.honda.com>)

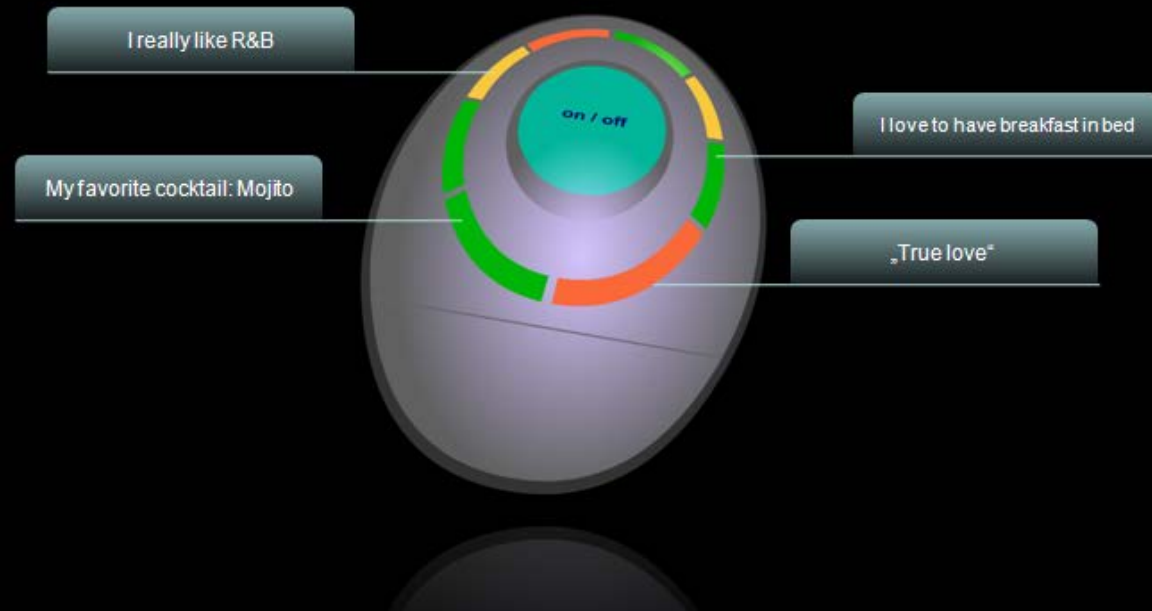


Home Robots

Innovative solutions to everyday needs:
Vacuuming / Floor washing / Gutter cleaning / Virtual visiting

iRobot Corporation (<http://www.irobot.com>)

- The vast amount of communities and many parallel identities come together at last
- We will connect our profiles not only in cyber space: Mobile devices will bring together the people in the real world



Simply air-born – personal air travel

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- Personal air travel could be one of the next “very big things”
- Strong & reliable wireless networks will interconnect the personal flying devices with each other to ensure safe air travel



Airscooter Inc. (<http://www.airscooter.com>)



Moller Corp. (<http://www.moller.com>)

- Air robot drones for home & public security are coming
- Example: The robot could enter a house flattened by an earthquake and check if anybody was trapped inside*



Seiko Epson (<http://www.epson.co.jp/e/>)

* Said Junji Ajioka, manager of Seiko Epson's strategic business development division

- Without a new energy concept, all this will NOT happen in the next 10 to 20 years



[http://www.flickr.com/photos/capitali/
Kramer Junction Solar Electric Generating Farm](http://www.flickr.com/photos/capitali/Kramer Junction Solar Electric Generating Farm)

Thank You!

In just 520 weeks from now, we all live and work in the year 2017!

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Frank Thomsen
IT & Future Trend Consultant

future matters Inc.
Munich

Helping Clients to Think About The Future Since 1997

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- *future matters* is an Institute for Trend- and Future Research, headed by Lars Thomsen with offices in Munich and Zurich and a partner agency in New York.
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