



ERICSSON GUEST LECTURE@KTH

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OUR VALUES

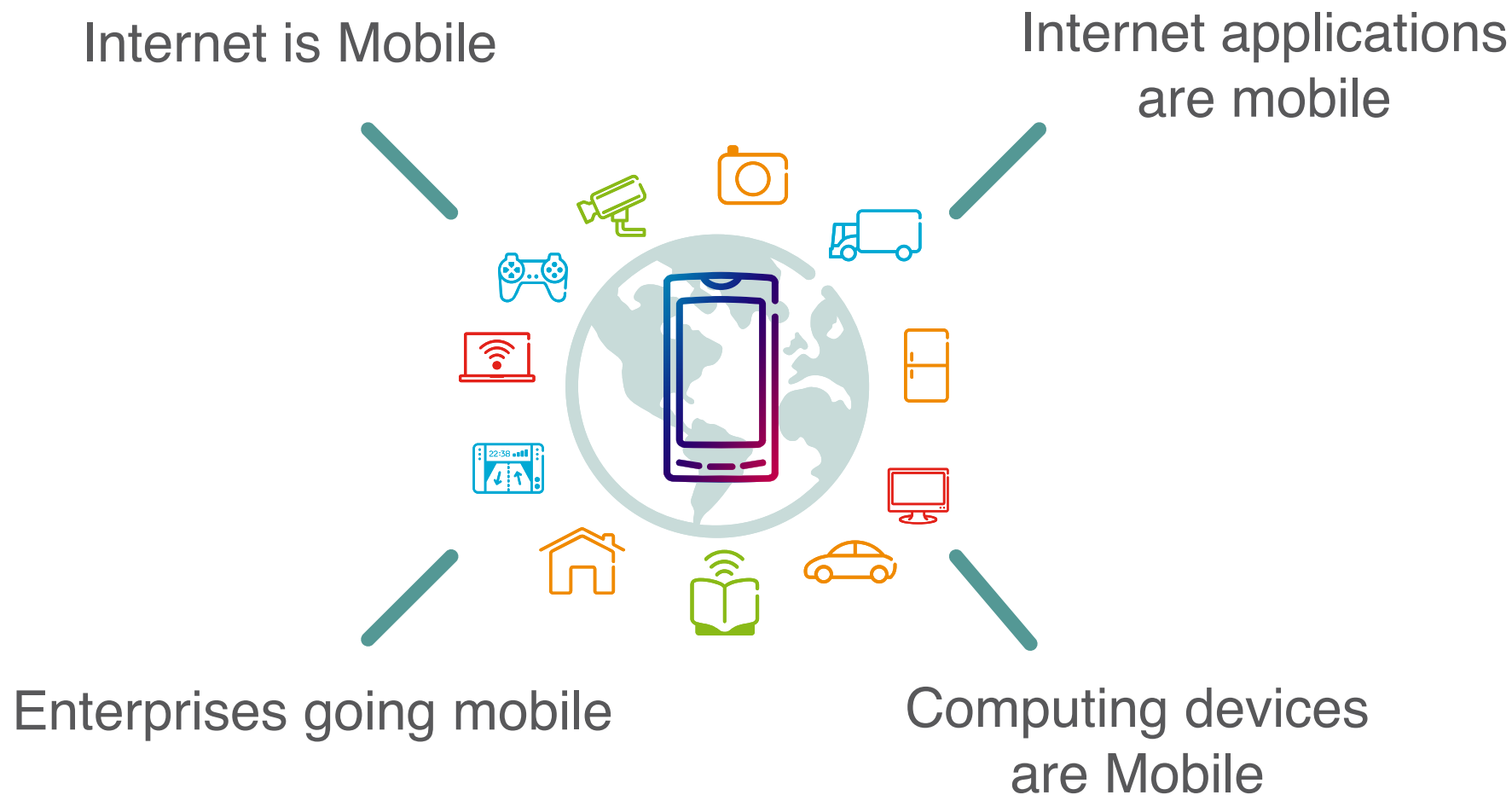


- › Respect
- › Perseverance
- › Professionalism

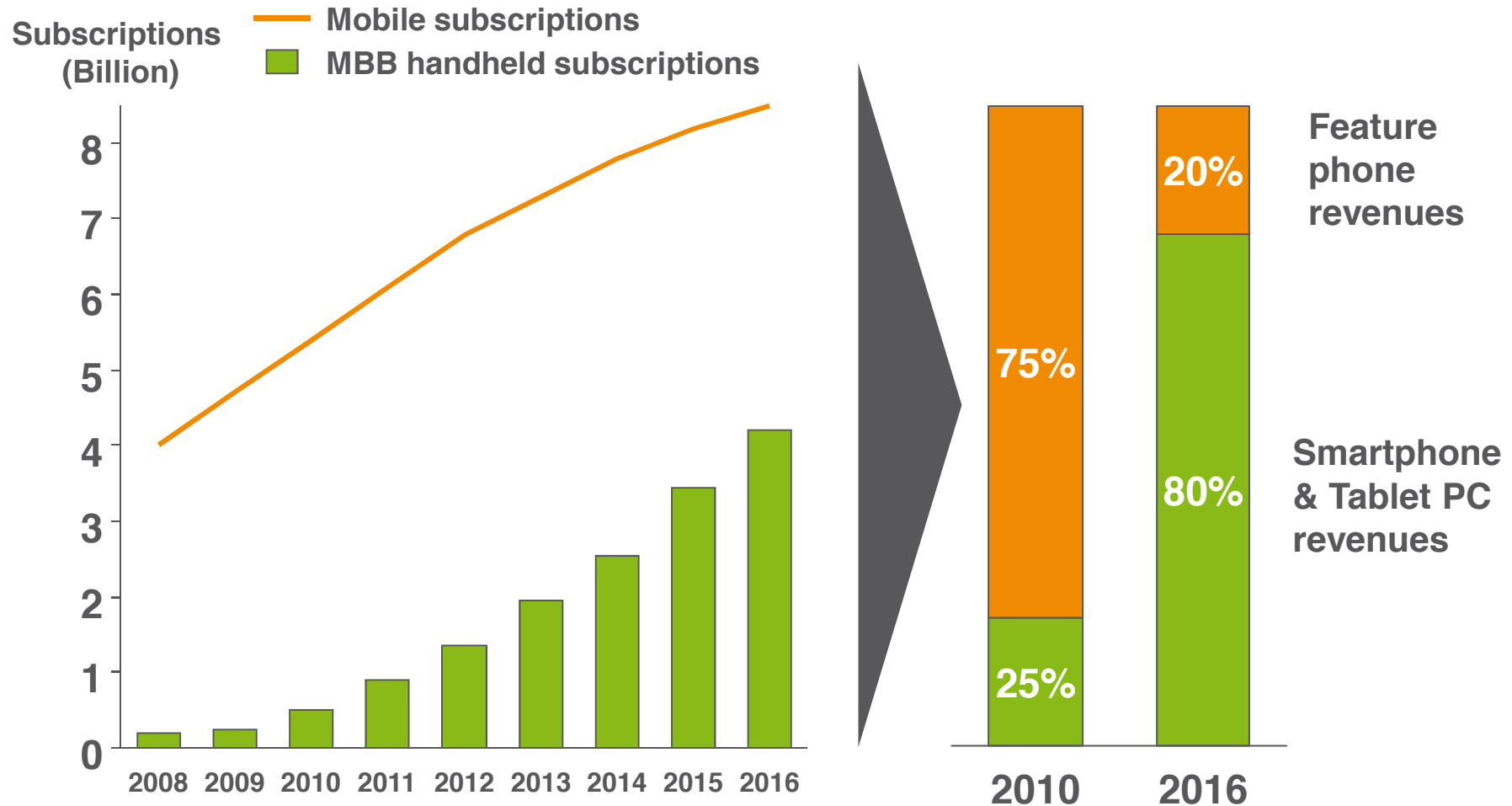


**The prime
driver in an all-
communicating
world**

THE LARGEST CHANGE IN INDUSTRY SINCE THE INTRODUCTION OF MOBILE TELEPHONY

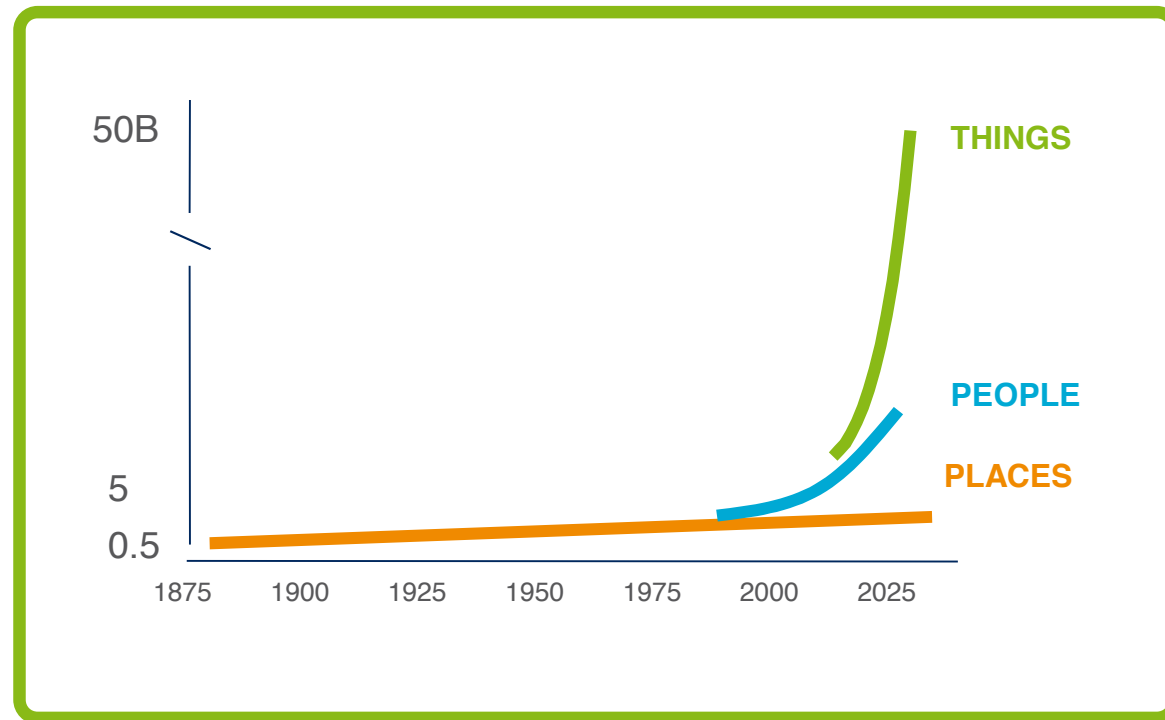


2016 OUTLOOK

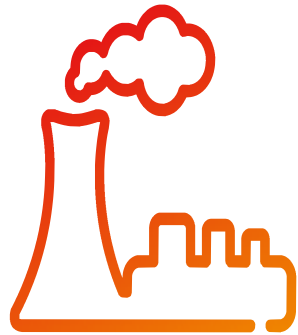


[>4 BILLION SMARTPHONES REPRESENTING >80% OF OPERATOR REVENUES]

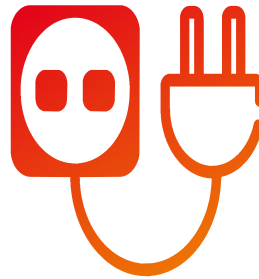
NEXT STEP IS TO CONNECT ALL THINGS



GENERAL PURPOSE TECHNOLOGY



Steam



Electricity



ICT



VISION 2020 50 BILLION CONNECTED DEVICES



NETWORKED SOCIETY



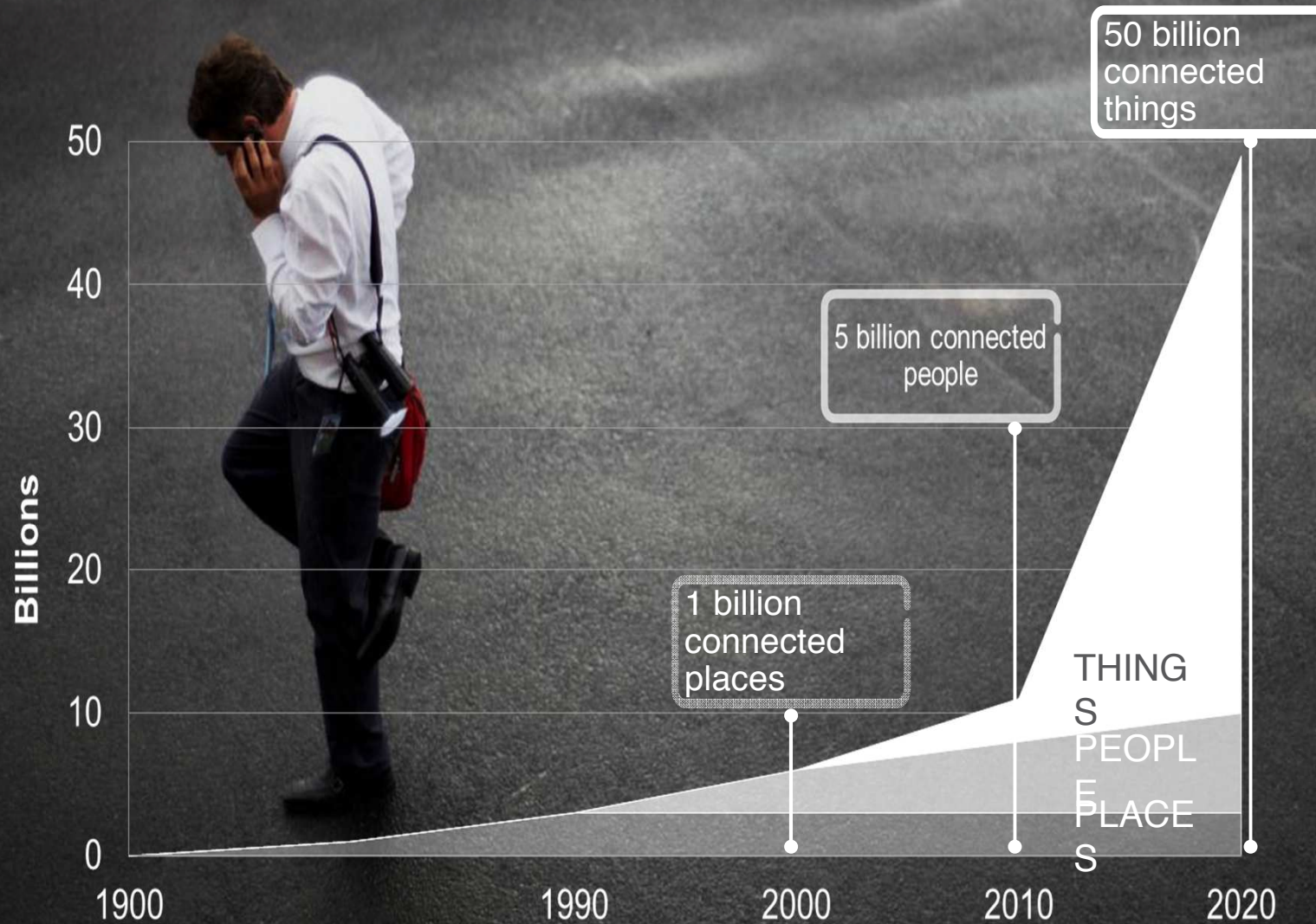
A NEW MINDSET



ACCESS EXPERIENCES



PACE OF CHANGE





EMPOWERMENT & OPPORTUNITY

FOR USD 10 PER
MONTH,
YOU CAN
STREAM

20
MILLION

SONGS TO YOUR MOBILE
DEVICE



TRANSFORMING INDUSTRY



DIGITIZATION RESULTS IN GROWTH OF ENTIRE MEDIA INDUSTRY

	IN 2007		BY 2016
Media products	USD 381 bn	⇒	USD 352 bn
Online media services	USD 21.7 bn	⇒	USD 104 bn
TOTAL	USD 402 bn	⇒	USD 456 bn





ERICSSON

AGILEAN @ ERICSSON



WHY CHANGE?

A NEW POPE IS ELECTED



Source: NBC

LEAN AND AGILE?



- › Focus on customer
- › React to change

LEAN

Essentially, LEAN is centered on preserving **value** to the customer who consumes a product or service with less work. **Value** is defined as any action or process that a customer would be willing to pay for.



改善

KAI
ZEN

More Info :

www.thisislean.com

Read : This is LEAN

- Niklas Modig and Pär Åhlström

AGILE



In Agile methods, instead of building the whole product, you build the smallest possible useful part and give it to users, who tell you what is right and what is wrong.

- › Agile manifesto

- **Individuals and interactions** over processes and tools
- **Working software** over comprehensive documentation
- **Customer collaboration** over contract negotiation
- **Responding to change** over following a plan



More Info :

<http://agilemanifesto.org/>

KEY IDEA - PRINCIPLES



- › Focus on **flow**
- › Establish **e2e** SW development
- › **Expose** inefficiencies
- › Lead-time focus drives **efficiency**

FROM WATERFALL TO AGILE



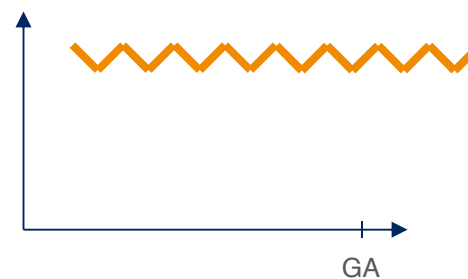
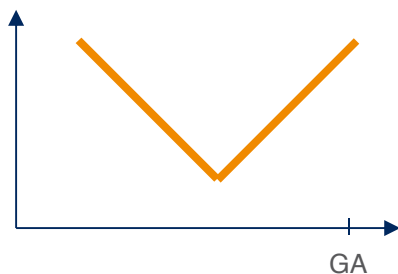
BEFORE



NOW

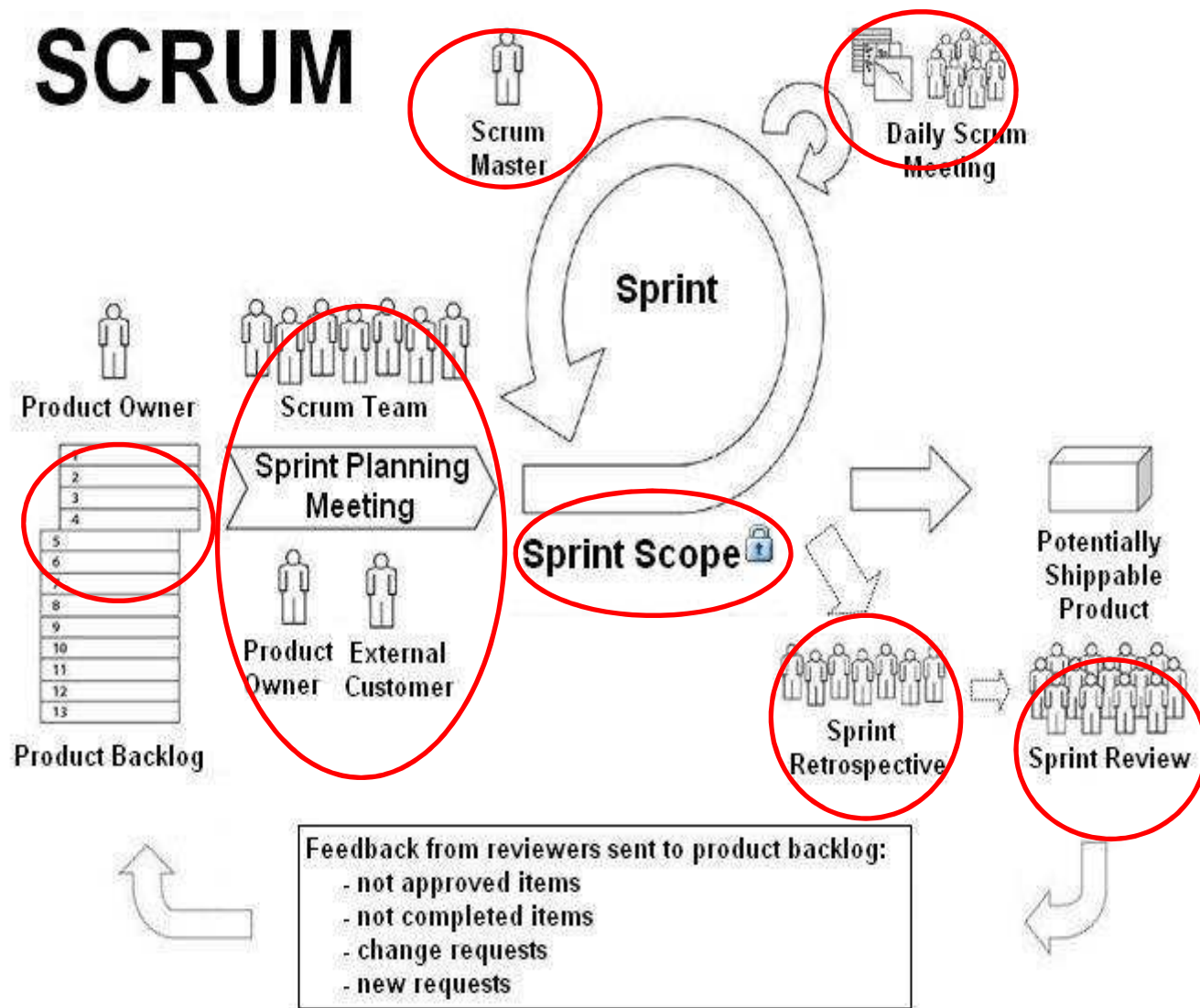


SW QUALITY



GA = General Availability
XFT = Cross Functional Team

SCRUM



More info :

<http://www.infoq.com/minibooks/kanban-scrum-minibc>

CONTINUOUS INTEGRATION ENABLES CONSTANTLY HIGH QUALITY IN DEVELOPMENT AND MAINTENANCE



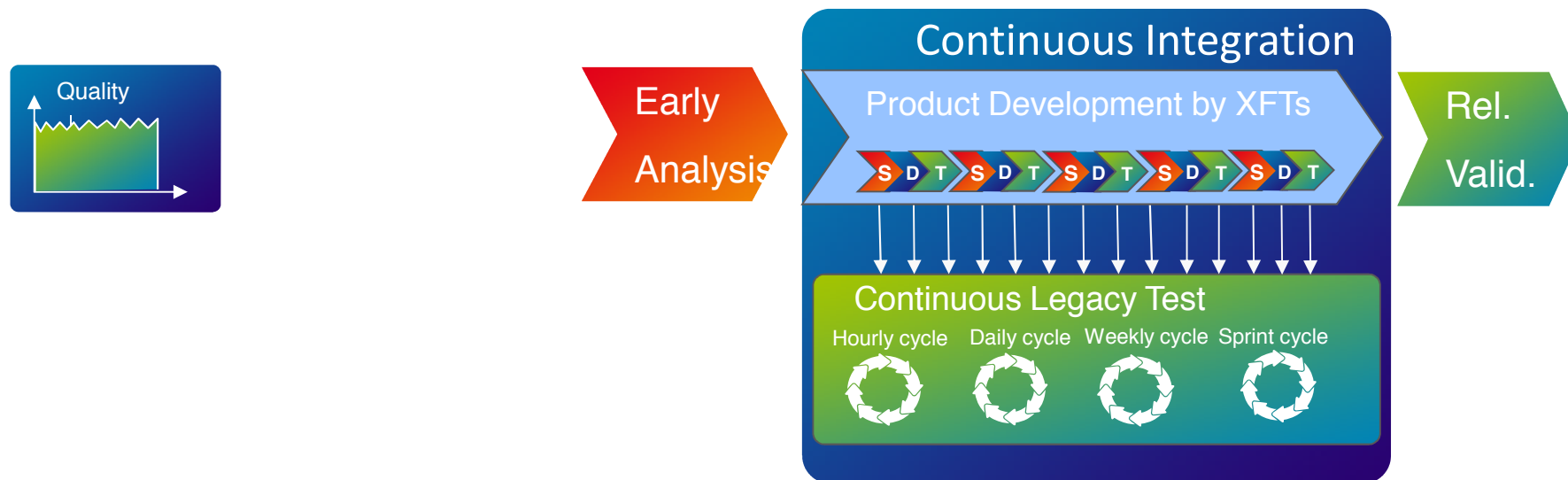
Before CI

Release



With CI

Release



160 000 LEGACY TEST CASES EXECUTED EVERY WEEK

AGILE DEVELOPMENT ≡
WILL NOT SOLVE ANY
PROBLEMS – IT WILL
JUST MAKE THEM SO
PAINFULLY VISIBLE
THAT IGNORING THEM
IS HARDER

KEN SCHWABER

TEAMS



ROLES

THE FIVE DYSFUNCTIONS OF A TEAM

PATRICK LENCIONI



TRANSFORMING SOCIETY



BY 2020, ICT COULD REDUCE
OIL CONSUMPTION
BY

21.
6

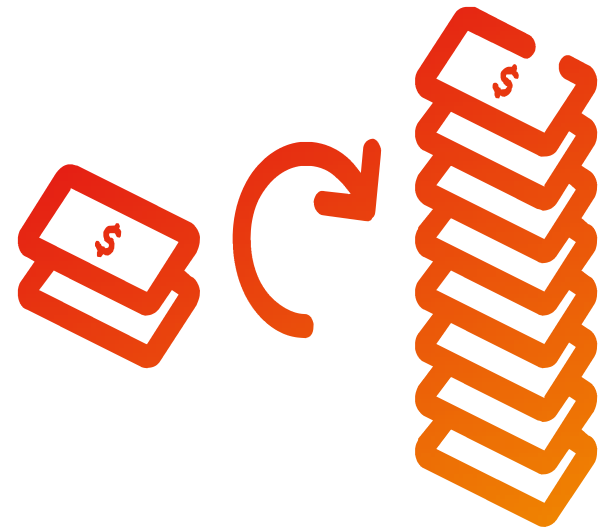


BRINGING PROGRESS TO MILLIONS



› Kick-starting economies

- › For every 10 percent increase in mobile and broadband penetration, GDP increases by 1 percentage point.
- › Doubling connection speeds yields a 0.3 percentage-point increase in GDP (Ericsson and Arthur D. Little, 2010-2011).



POWER TO THE PEOPLE

- › It's bringing us closer to our nearest and dearest:
 - › Video constitutes 25% of smartphone traffic and 40% of tablet traffic (Ericsson Mobility Report, 2012).
- › Reuniting families:
 - › 185,000 people have registered on Refugees United's family-tracing platform (Refugees United).
- › Redefining learning and education:
 - › Coursera hosts over 200 online courses for 1.3 million students (BBC).



THE CHALLENGES



45 MILLION
PEOPLE
FORCIBLY
DISPLACED
IN THE
WORLD.



CO2 RELEASE
RATE INTO THE
OCEANS ARE 10
TIMES FASTER
THAN THOSE
BEFORE THE LAST
MAJOR SPECIES
EXTINCTION



ONLY 1 IN 6
PEOPLE IN
THE
DEVELOPING
WORLD HAVE
ACCESS TO
THE
INTERNET.



70% OF
GIRLS IN
SOME
AFRICAN
COUNTRIES
DON'T GET A
SECONDARY
EDUCATION

SUSTAINABILITY AND CR: KEY FOCUS AREAS



[OUR CORE TECHNOLOGY IS OUR CONTRIBUTION]

OUR KEY ISSUES



Accessibility and
affordability of mobile
communication



Energy and material
performance



Climate change
and urbanization



Business ethics



Employee
engagement



TECHNOLOGY FOR GOOD

- › Ericsson's unique approach
- › Through public and private partnerships we apply our technology and competence to address global sustainability and humanitarian challenges.

OVERVIEW 2013



T4G
Around the
world

Connect to Learn

Refugees
United

Peace
Earth

33 Schools

17,000 students

13 countries

Stable, scalable solution

1 million users
by 2015

211.000 users by
September 2013.

Operations in Kenya,
Egypt, Uganda, DRC

New deployments
planned in Tanzania,
Jordan, Irak during 2013

Powering Peace

Harmonizer Program in
Uganda

Youth Peace Network in
S.S

New deployment planned
in Mexico Q4 2013

Millenium
Villages

Lake Victoria

Amazon
Connection

Ericsson
Response

Rural Health

Smart Buses in
Curitiba

M – commerce



THE PEACEEARTH FOUNDATION

The PeaceEarth Foundation is a nonprofit organization, committed to global and community peacebuilding and citizen empowerment in conflict zones worldwide.

The Foundation seeks to empower youths, women, and global citizens to promote peace through conflict-resolution training programs, grassroots efforts, access to experts, methodology, social media, technology, and communication tools to establish and sustain citizen-led civic peace initiatives.



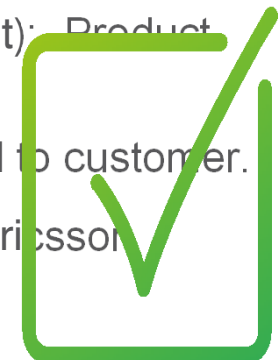
Ericsson commitment

- › Tap into Ericsson 3G networks in each country, leveraging relationships with local network operators to facilitate mobile connectivity and Internet access
- › Provide 50 Connect to Learn netbooks
- › On-site project management to manage the physical deployment of the solutions
- › Provide Wifi networks
- › Give ICT training for teachers and students
- › Monitor and evaluate the progress of the solutions

KEY MILESTONES (1/2)



- › **1993:** First Environmental Report
- › **1994:** First Life Cycle Assessment
- › **1998:** First release of "The Ericsson lists of banned & restricted substances"
- › **2000:** First "Sunsite" - RBS powered by solar panels - launched in Morocco
- › **2001:** Ericsson Group generic requirement specification for Design for Environment released
- › **2002:** First Printed Boards with halogen free flame retardants in Radio Base Station products delivered to customer
- › **2002:** Beryllium oxide phased out from new Ericsson designed products
- › **2002:** First global ISO 14001 certification (on environmental management); Product take-back initiated
- › **2003:** First lead free soldered products for Radio Base Stations delivered to customer.
- › **2003:** Polybrominated Diphenyl Ethers (PBDE) phased out from use in Ericsson designed products
- › **2005:** First long term energy targets published for RBS



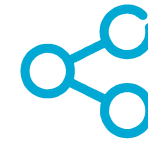
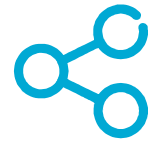
KEY MILESTONES (2/2)



- › **2006:** All new Ericsson products are RoHS (Restriction of Hazardous Substances) compliant;
- › **2007:** REACH implementation started; Tower Tube; BTS Power Save feature; Millennium Villages;
- › **2009:** First Group-level carbon footprint reduction target and work initiated for cross-sector carbon reduction potentials
- › **2010:** Expanded our Environmental Policy to a Sustainability Policy
- › **2010:** Co-founded Connect to Learn, a global education initiative
- › **2010:** Ericsson joined with the Refugees United, the UNHCR and operator MTN
- › **2010:** Ericsson along with the UNHCR and MTN joined the Refugees United project
- › **2011:** Ericsson won a GSMA award for our Ericsson Community Power solution
- › **2012:** Ericsson ranked top 3 on Greenpeace Cool IT Leaderboard
- › **2013:** Ericsson won a GSMA award for Amazon Connected project



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› [Sustainability Blog](#)



› www.ericsson.com/sustainability

A CONNECTED WORLD IS JUST THE BEGINNING



When one person
connects,
their world changes.

With everything
connected,
our world changes.



NETWORKED
SOCIETY



THANK YOU!