





WHERE ARE WE?

TECHNOLOGY DEVELOPMENT





1771
The Industrial Revolution



1829 Steam, coal, iron and railways



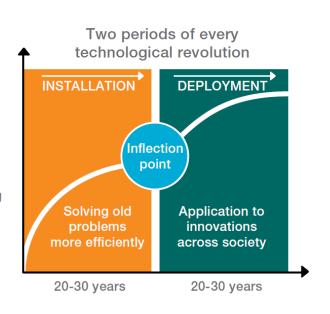
1875 Steel and heavy engineering



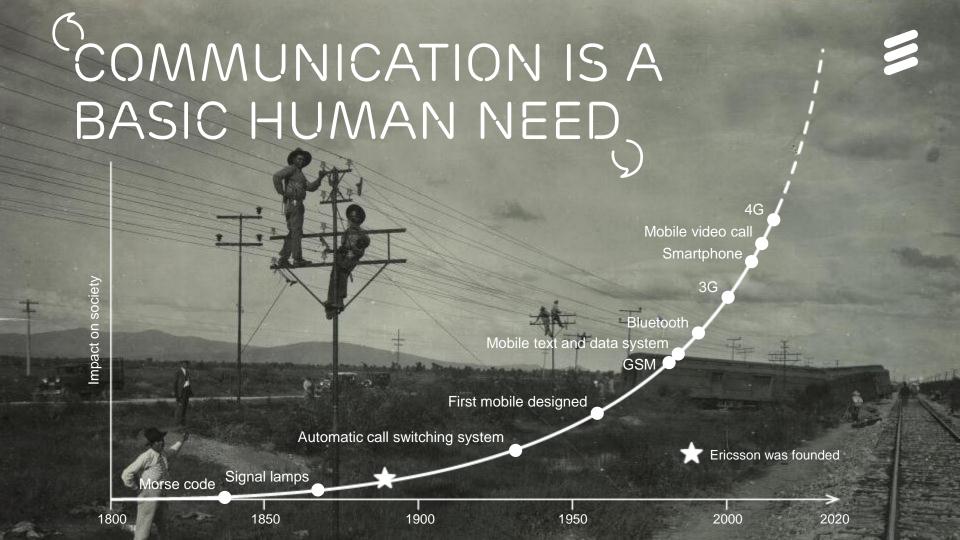
1908 Oil, automobiles and mass production



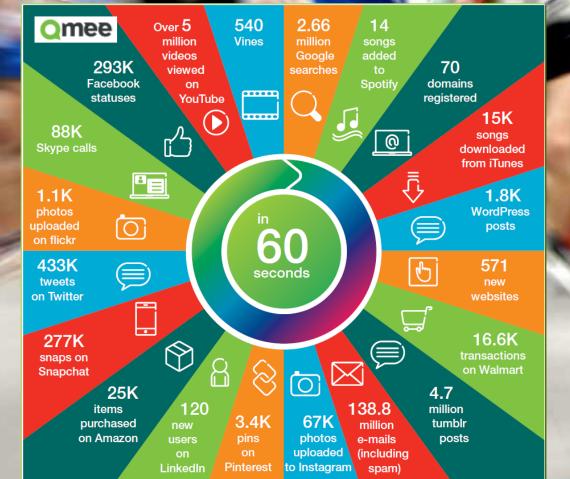
1971 IT and telecommunication



Source: Professor Carlota Perez University of Cambridge



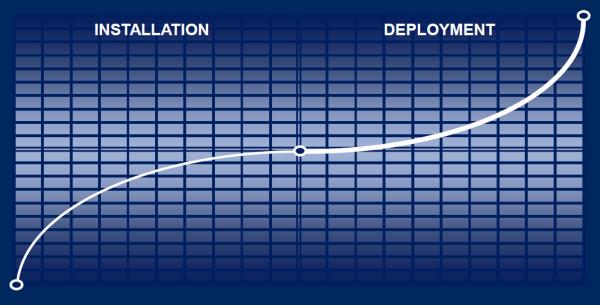
WHAT IS HAPPENING?





THE NETWORKED SOCIETY WE ARE AT THE ICT INFLECTION POINT











MOBILITY - BROADBAND

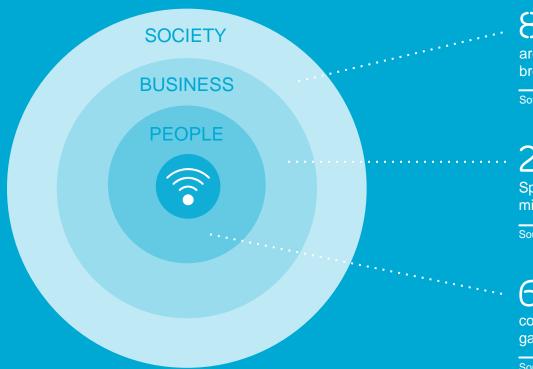
CLOUD



THE RIPPLE EFFECT



ICT progress builds positive change for society, business and people



80 JOBS

are created for every 1000 broadband connections

Source: Ericsson, AD Little

20 MILLION

Spotify users in 4 years, accessing 20 million songs creating 1 billion playlists

Source: Spotify

6.3 MILLION

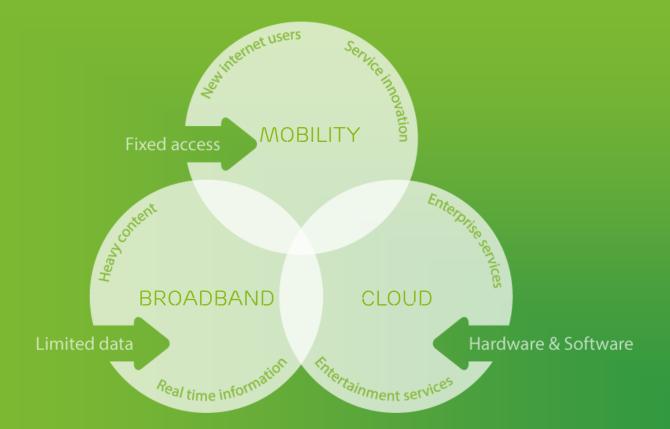
concurrent players on the Steam online gaming platform

Source: Valve



THREE KEY SHIFTS





MOBILE TRAFFIC GROWTH

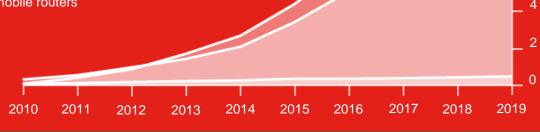




Growth in mobile data traffic between 2013 and 2019 (ExaBytes)

- Data: mobile PCs, tablets and mobile routers
- Data: mobile phones





Source: November 2013 Mobility Report

CATCHING THE NEWS



Key challenges

- › Heavy data
- Moving fast
- Crowds of people
- Below ground level



Compress & distribute



Store content close to users



Right stream right device



Coverage everywhere



Fast response in application



Top video quality

SHARING THE GOAL



Key challenges

- > Thousands of people
- > Share live experience
- > Photo, audio, video
- > All at the same time



Record & Share experience



Great device performance



Local boost of coverage



Self-optimizing network



Coverage everywhere



Reach anyone in real time

JOINING THE CONFERENCE \$



Key challenges

- > Indoor
- Concrete walls
- Modern/isolated windows
- > Rich media



Compress & distribute



Reach anyone in real time



Right stream to right device



Coverage everywhere



Local boost of coverage



Top quality of video

KEEPING THE DISTANCE



Key challenges

- Moving fast
- > Human factor
- > Ultra fast response
- > Cannot fail





GPS & traffic information



Analyze & predict



Coverage Everywhere



Command if needed



Notify emergency

WHAT TO EXPECT FROM 5G 5



Multi-domain Performance

Foundation for Efficient Industries and Society

Energy Performance



Massive Machine Type Communications

Global Standard

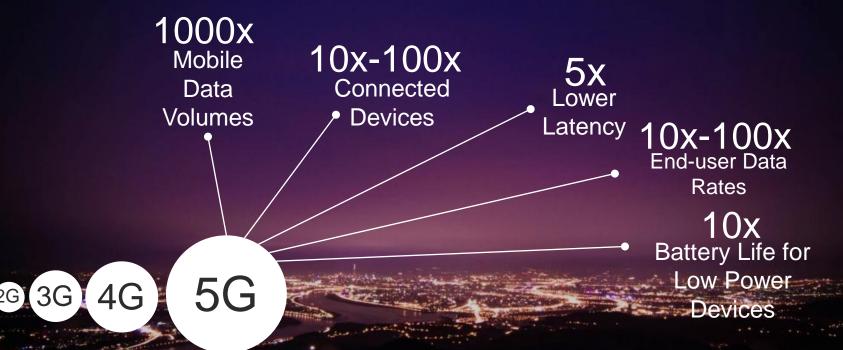


Critical Machine Type Communications

Mass Market Personalized TV

EVOLUTION TOWARDS 2020





ONE NETWORK – MULTIPLE INDUSTRIES

















A common network platform with dynamic and secure Network Slices

THE JOURNEY TO A NETWORKED SOCIETY

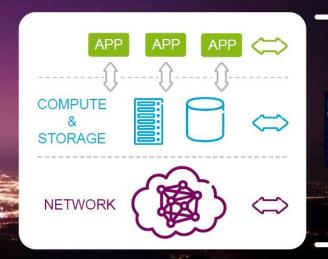




Transformation journey

dically cloud services to enterprise"

"Bring products to market much quicker" Tomorrow
Global cloud based networks



FUTURE WIRELESS ACCESS - THINGS & DEVICES



A platform on which any future wireless application can be implemented





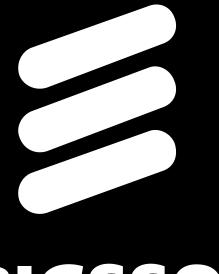






5G Wireless Access

More than just bigger and better mobile broadband



ERICSSON