

The 3rd Industrial Revolution: Transforming Healthcare As We Know It?

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What's Going On?

1.0

Steam and coal
Railways
Factories
Printing press –
mass education

1760's.....

2.0

Electrification,
comms, oil,
combustion engine
New materials
Highways,
automobiles
Mass production

1860's.....

3.0*

Internet, molecular
biology, renewable
energy sources
Super information
highways
Smart “everything”

Late 1990's.....

**We are still at the dawning of the third era...
...A new economic narrative is being written.**

* *The Third Industrial Revolution: How Lateral Power is Transforming Energy, the Economy, and the World* by Jeremy Rifkin, president of the Foundation on Economic Trends

Rate of Change Will Approach Light Speed



1752

Ben Franklin proved that static electricity and lightning were the same – this paved the way for the future



1800

first electric battery introduced



1821

Faraday invented the first electric motor



1835

First electric relay invented



1844

Morse invented the telegraph



1882

First DC power station



1879

first light bulb – Thomas Edison



1891

First AC power station

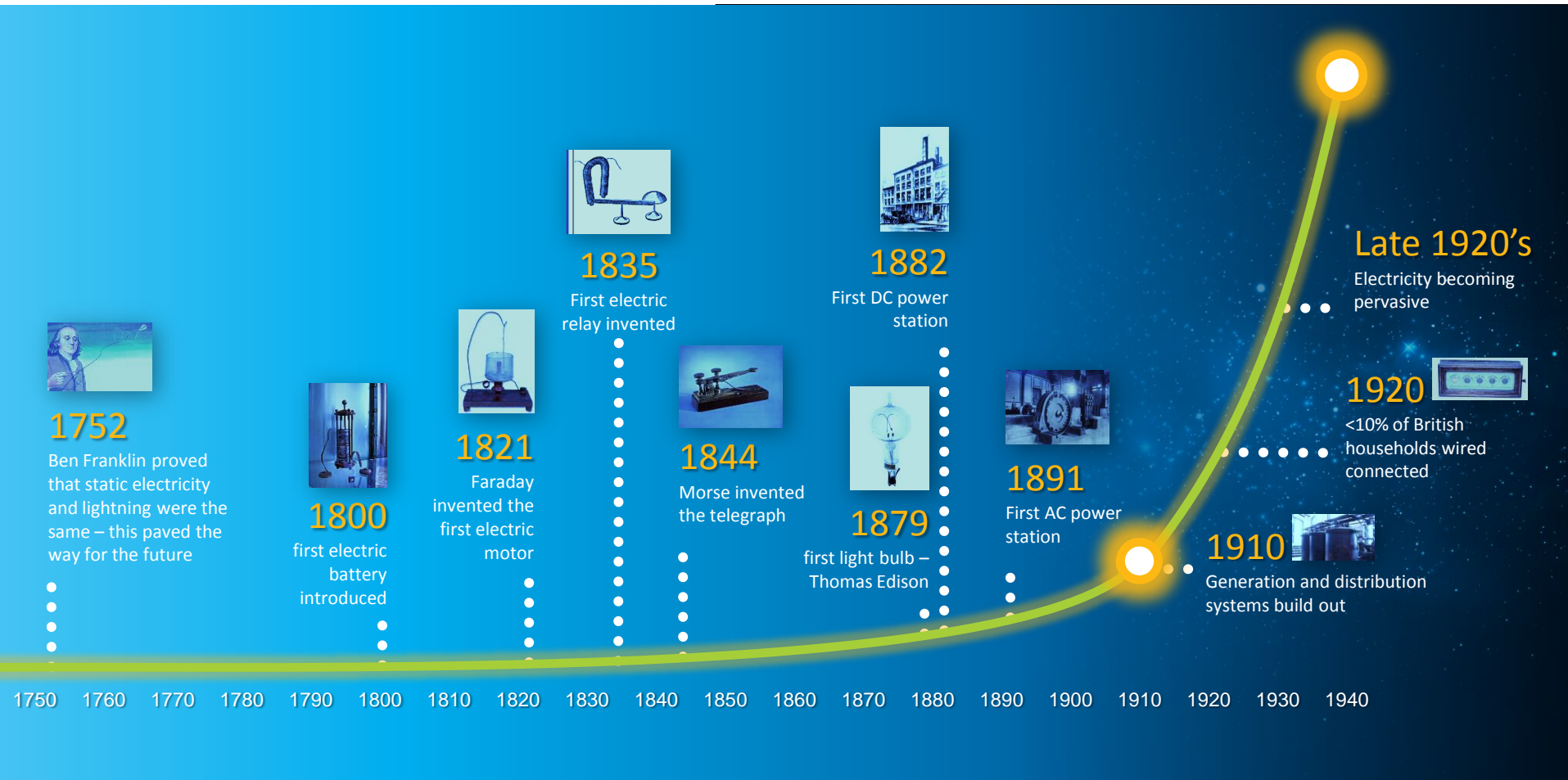


1910

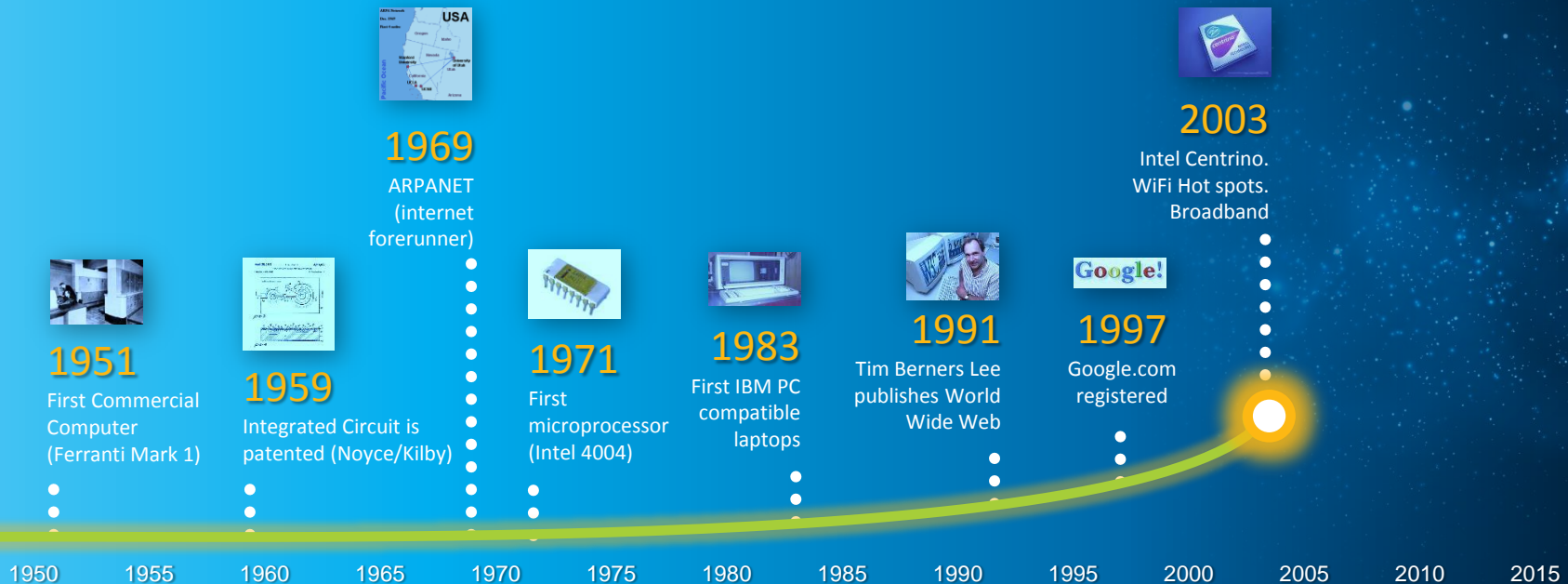
Generation and distribution systems build out

1750 1760 1770 1780 1790 1800 1810 1820 1830 1840 1850 1860 1870 1880 1890 1900 1910 1920 1930 1940

Rate of Change Will Approach Light Speed

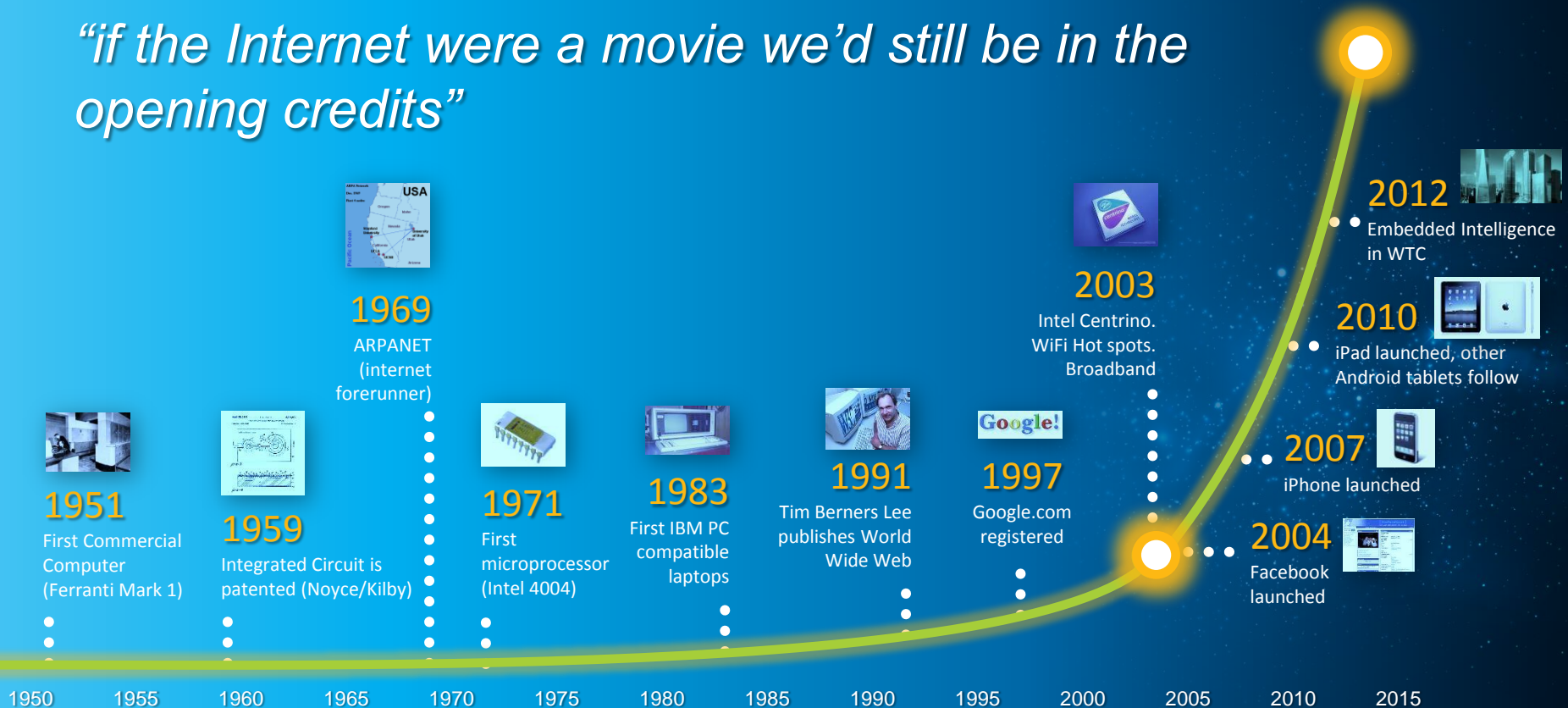


Rate of Change Will Approach Light Speed



Rate of Change Will Approach Light Speed

“if the Internet were a movie we’d still be in the opening credits”



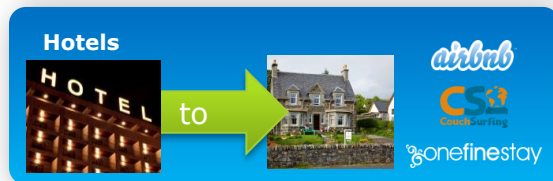
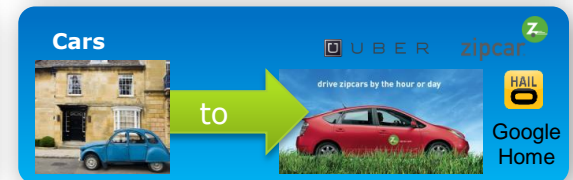
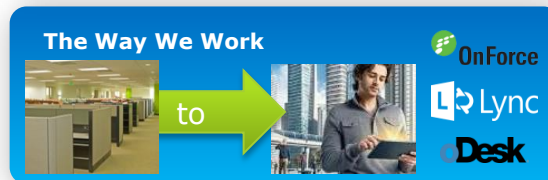
... Re-imagining the World at Light Speed



Industries established over a **Century**
re-architected in under a **Decade**

From the Obvious...

... Re-imagining the World at Light Speed



When the **impossible...**
becomes **possible**

From the Obvious...

Client Compute Continuum

New Experience

- Context aware
- Immersive / Interactive
- Intuitive, accessible and natural



Transform
Patient
Experience

Patients



Transform
Healthcare

Clinicians



Just “being on the Internet” is not good enough.



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Healthcare at Intel
Where information and care meet