



The Journey to the Internet Of Things

Ion Padilla – HP Innovation Centers

1 Why is IOT important?



2 Challenges



3 HP Strategy



4 IOT as an Innovation Enabler





2013

Internet of Things

Devices, sensors, embedded, wearable



1982

Personal Computing/ Business

Personal, mobile



1968


Academic / Government

Mainframes

‘Connecting products to the web will be the 21st century electrification.’

Matt Webb, CEO of BERG Cloud





INTERNET OF THINGS

\$30B

fuel cost saving
in aviation
industry

\$66B

fuel cost saving
in gas powered
fleets

\$63B

productivity
improvement in
healthcare

\$90B

reduction in
Cap X in oil & gas
exploration and
development

\$27B

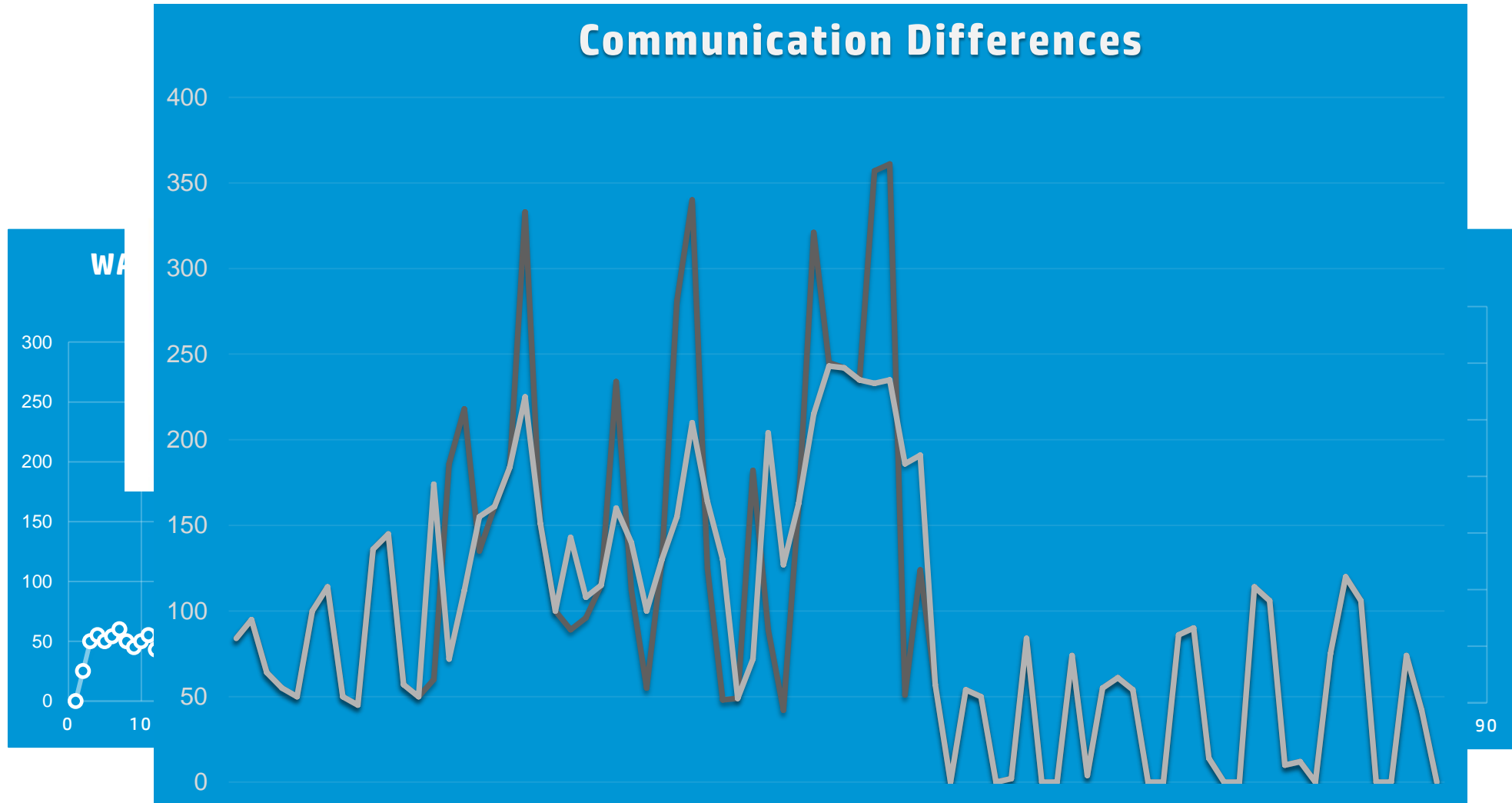
productivity
improvement in
rail industry



** Projected savings are based on 1% efficiencies/savings*

Source: Industrial Internet: Pushing the Boundaries of Minds and Machines, Peter C. Evans and Marco Annunziata, November 26, 2012

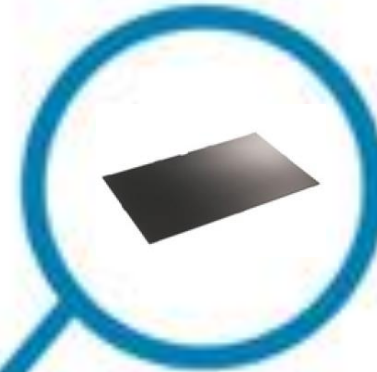
Communication Differences



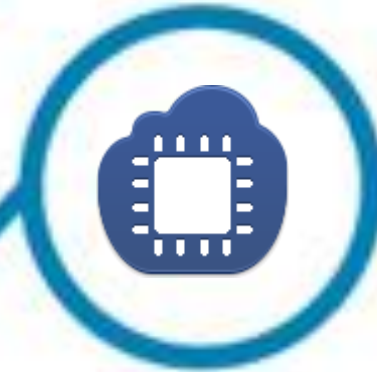
Security



Aggregate



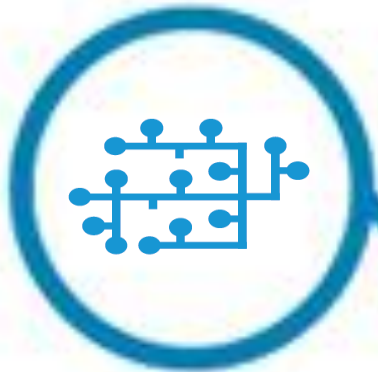
Nano



Smart Tech

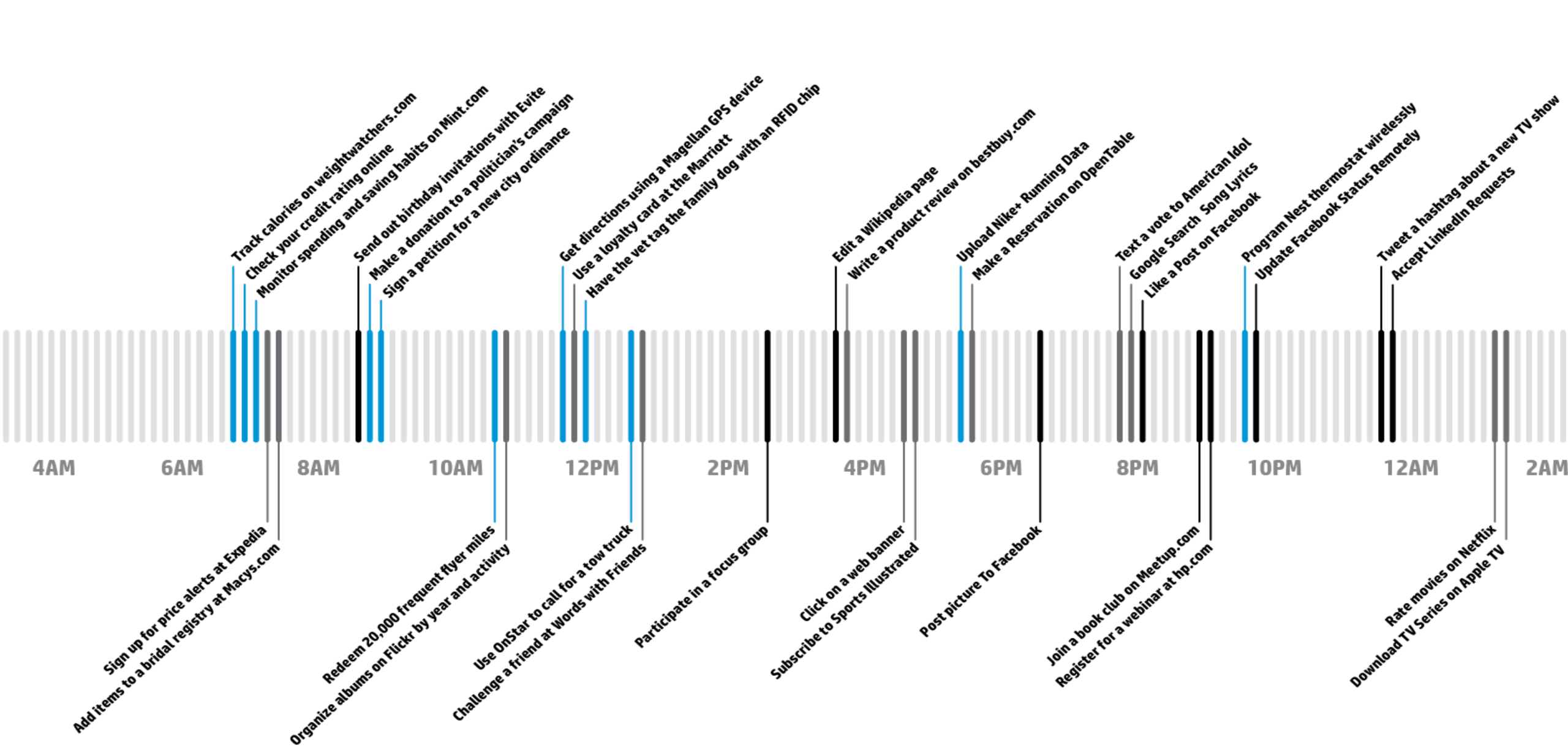


Sensors

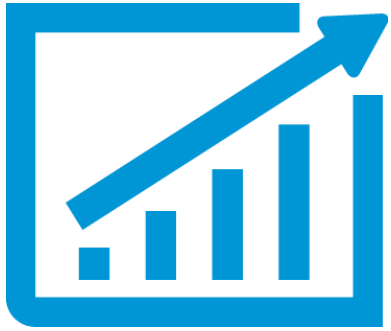


The quantified self





Program or be programmed



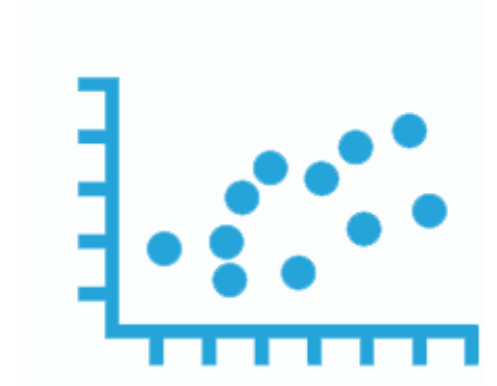
Nutrition



Sports



Sleep



Health

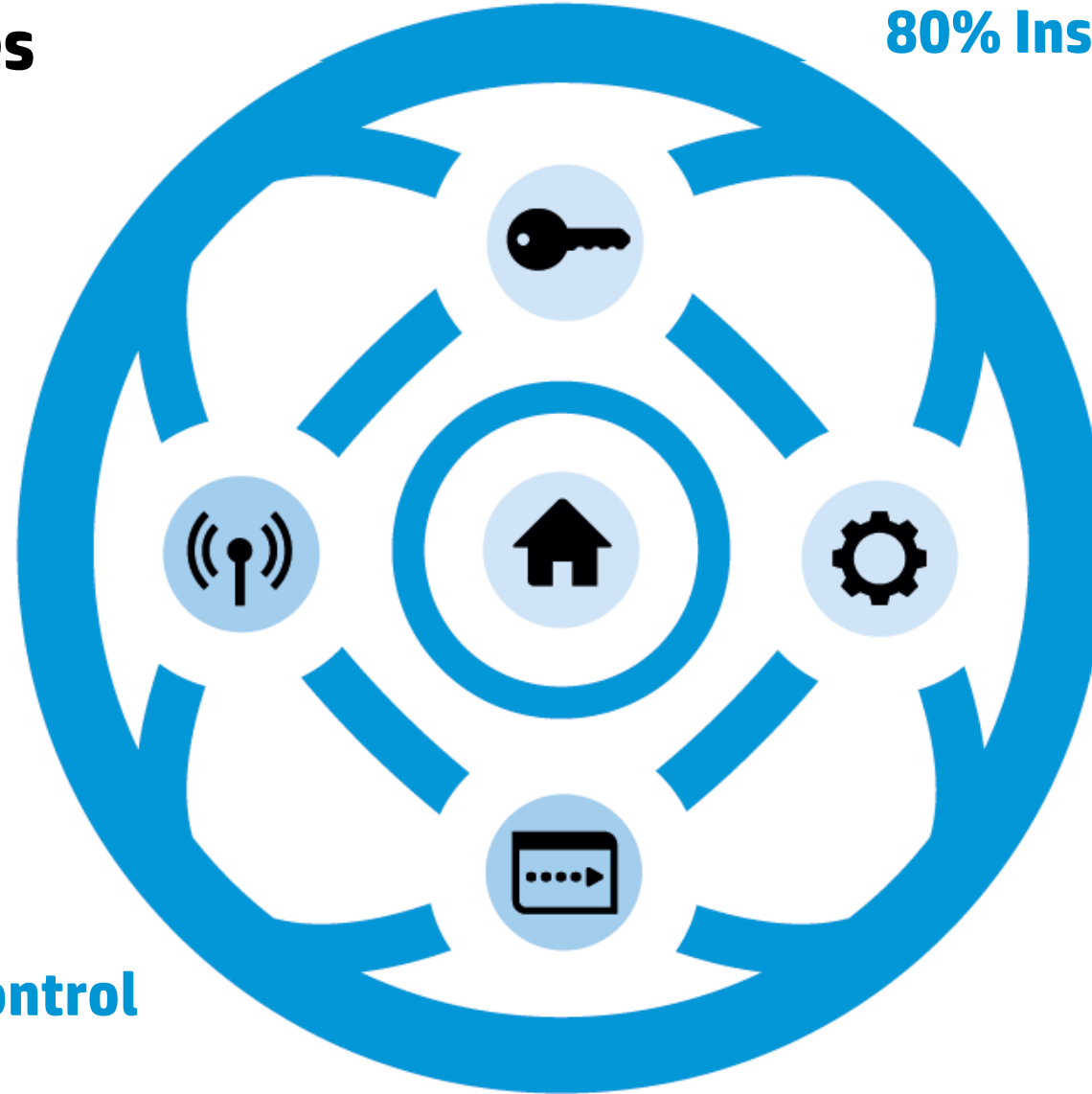
IOT Security Issues

80% Insecure Authorization

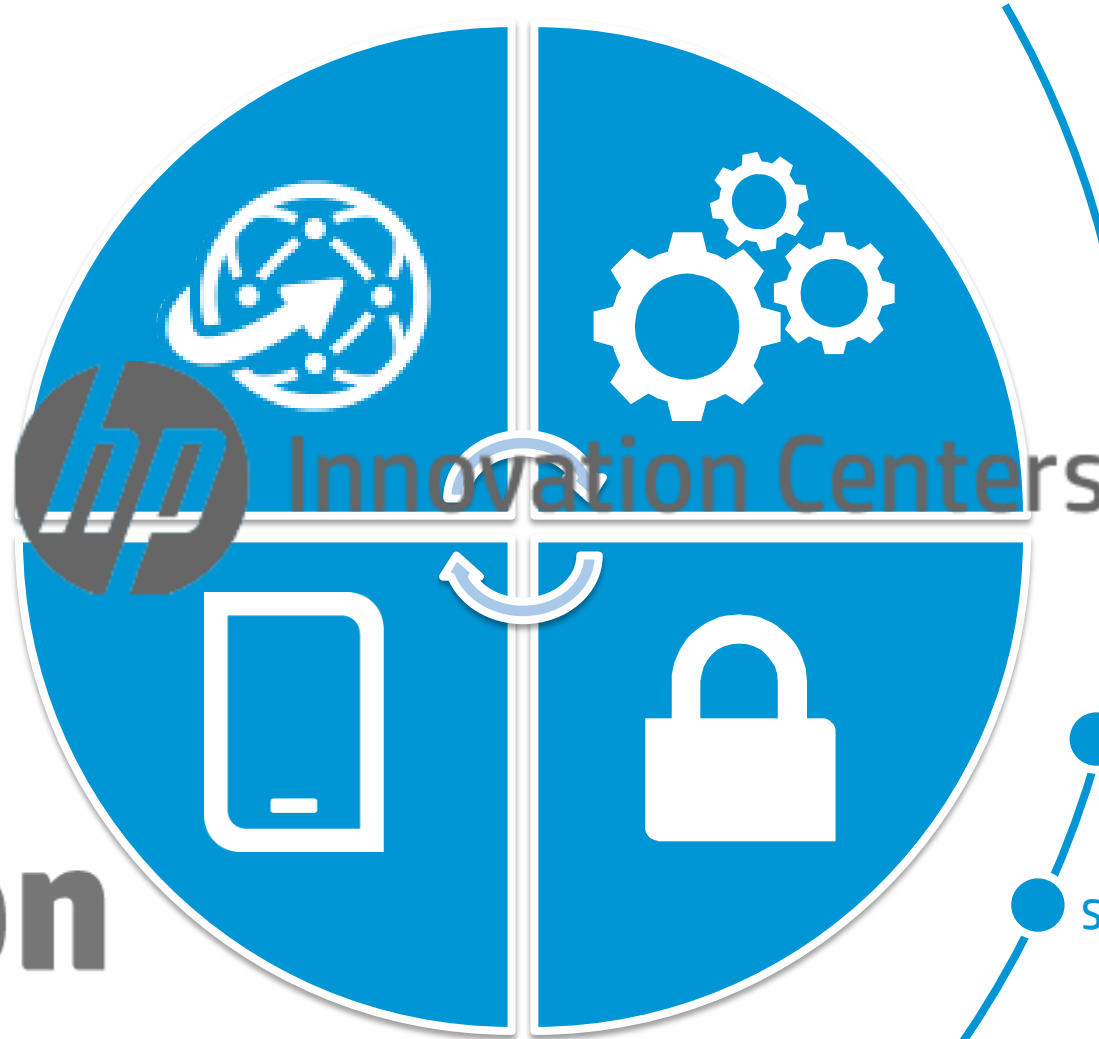
70% Unencrypted communication

60% Insecure Web Interface

80% Lacks privacy control



HP strategic initiatives: Enabling the business of innovation



● Big Data

● Cloud

● Mobility

● Security



IOT as an Innovation enabler



Thank you

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