

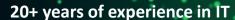


#### **Jaroslaw Richert**



#### IT Asset Governance Senior Manager @ Schneider Electric

IT Governance, IT Compliance, IT Risk Management, IT Vendor Management, IT Sustainability,

























M.Sc. Electrical & Telecom Eng. Certificacions: CISA, CRISC, ITIL, MCSE INSEAD Digital Transformation Leadership,

















# by example in our ecosystem

## Schneider Electric

Be the digital partner for Sustainability and Efficiency for our customers

#### **Strong recognition of our commitment**







#### **A List**

(Climate) 12 years in a row



AAA

11 years in a row



From **2018** 

Included since inception



**Top 100 Most Ethical Company** 

11 years in a row

11 years in a row



#### **About the ITAM Forum**



#### **MISSION:**

To promote the business practice of ITAM.

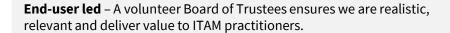
#### **VISION:**

All organizations investing in technology have an appropriate ITAM capability delivering business value.



#### **GUIDING PRINCIPLES:**

**Not-for-profit** – We are independent and impartial, serving the best interests of the entire ITAM industry.



**Collaborative** – We are constructive and collaborative, bringing together all ITAM industry stakeholders to push the ITAM industry forward.



#### **OBJECTIVES:**

**Certification** – To create (and be the caretakers of) the new ISO/IEC 19770-1 certification scheme so organisations can demonstrate the quality of their ITAM practices.



**Enablement** – To elevate ITAM by sharing knowledge and best practices that focus on business value and aid to grow the profession.

#### **About the ITAM Forum**





1,000+ members



ISO 19770-1 Certification scheme



42 nationalities



Committee of Experts

100+ individuals, 20 countries, 30+ industries



10 Country Chapters

Brazil, Canada, Netherlands, Germany, India, Poland, SP Speaking, Türkiye, UK, USA



Discussion Board



5 Special Interest Groups

Infosecurity, Mgmt. Systems, Sustainability, Optimisation, New Generation ITAMers



eBooks, whitepapers, podcasts, membership magazine



Member-only Webinars

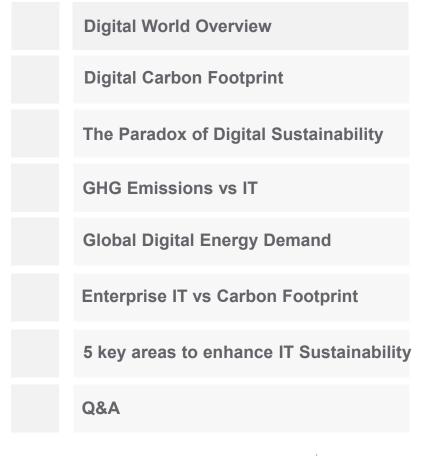
FinOps, Sustainability, Infosecurity, Certification...





## Agenda









## True or False?

- 1. Video Streaming for 30 Minutes Generates the Same Carbon Emissions as Driving 4 Miles Media publications: "The Shift Project", New York Post, CBC, Yahoo!, The Guardian, and Thomson Reuters
- 2. Bitcoin Emissions Alone Could Push Global Warming Above 2°C Media Publication: Forbes, ScienceDaily, The Independent (U.K.), CBC, Thomson Reuters, MIT Technology Review
- 3. Downloads of "Despacito," the first song to surpass 5 billion YouTube views, consumed as much electricity as the countries of Chad, Guinea-Bissau, Somalia, Sierra Leone, and the Central African Republic put together in a single year
- Media Publication: Financial Times, BBC, Fortune, The Guardian, Al Jazeera.
- 4. Training One Natural Language Processing (NLP) Model Is Equivalent to 300 Round-Trip Flights Between New York and San Francisco

Media publications: MIT Technology Review, Vice, S&P Global, Forbes, NewScientist and Al Now Institute

### Digital Carbon Footprint Data Analysis Baseline vs current state Custo me Office System Electricity Co. IT sector baseline: **Current state:** In 2015 ICT sector electricity demand reached In 2020 the ICT electricity demand reached 1935 TWh almost 1800 TWh and represented around 3% (ca. 2.8 % of global CO2 emissions) global CO2 emissions Factors: Increased number of ICT users Social networks & Streaming New ICT trends behind the growth:

sources:

Patterns/ Lancaster University Schneider Electric Research Institute International Telecommunication Union (ITU) blockchain and cryptocurrencies

big data and AI, the Internet of Things



## **Digital Sustainability**

IT Carbon Footprint & global electricity demand

O (+1395 TWh)
2030: 10%
2020: 8%

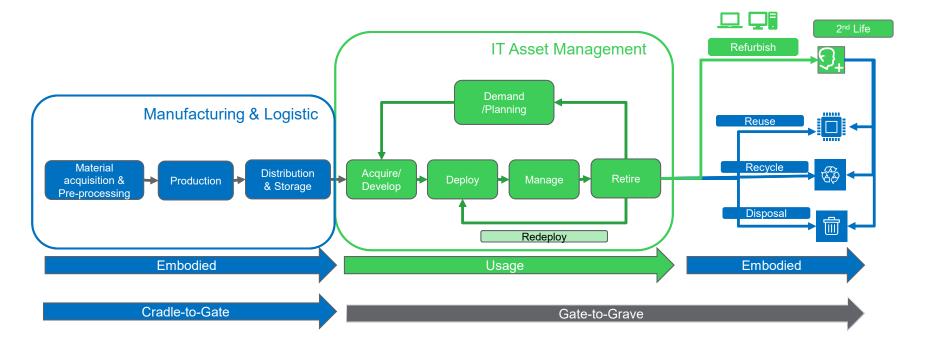
2015 baseline 3.1% CO2 74 0.97 GtCQ2) 2020 2.8% 2030 2.6% (-0.08 GtCO2) The Paradox of Digital Sustainability Carbon Footprint Reduction SCIENCE **BASED** TARGETS ITU\_L1470 - 50% (-0.35-0.5 GtCO2) Life Is On International Telecommunication Union (ITU)

Schneider Electric Research Institute

Product Lifecycle vs IT Asset Lifecycle vs Carbon Footprint

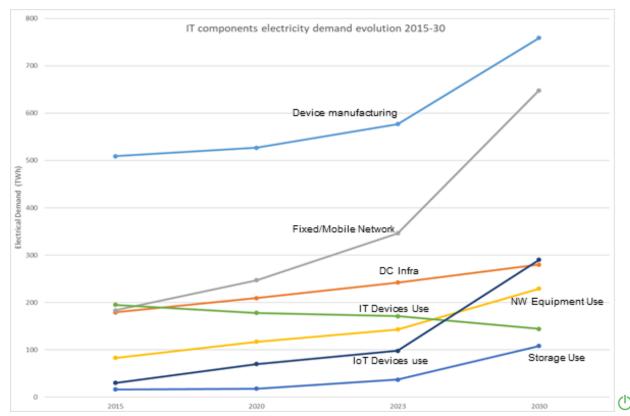
Usage CO2 Emissions

Embodied CO2 Emissions

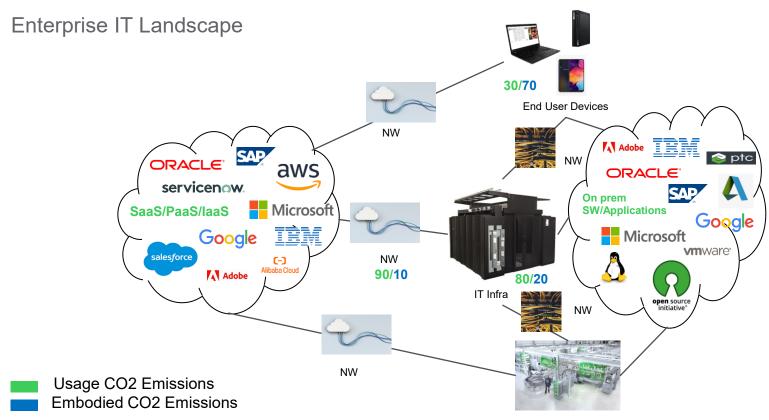




ICT Global Energy demand 2015-2030



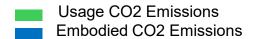








5 keys areas to enhance Sustainable IT



- Purchase "Green"
- "Green" Design & Architecture
- Operationalize Circular Economy
- Use Renewable Energy
- Increase Awareness on Green Digital Habits



## Q&A

