

Digital transformation in the EU countries/Industry 4.0: current status, challenges and best practices

June 24th, 2021







Brief History



Semiconductor Exponentially Declining Prices, 40 years

(price per transistor)



Year 2010 ~ 2015

Massive availability of low-cost sensors, artificial intelligence (AI) and distributed hybrid multicloud IT architectures



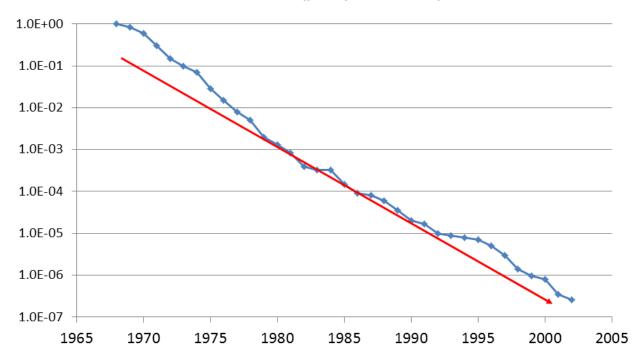
Year 2016 ~ 2020

Megacities investing enormous amounts in IoT to create new technology ecosystems and models for efectiveness that improve quality of life.



Year 2021~ 2025

Smart technology will be implemented from cities accross the globe to improve public infrastructure, utilities and services. Thus it will make citizens healthier and safer.



Market Overview



CAGR 2017-2025

One of the biggest growing IT sectors based on CAGR and absolute market size.

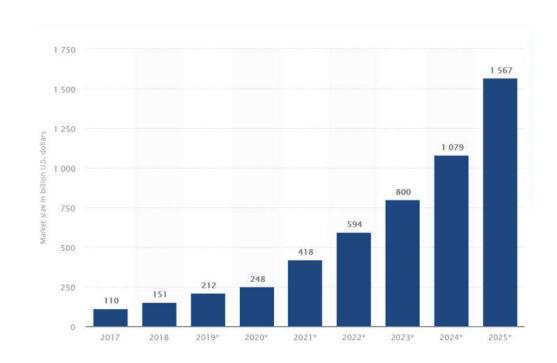
CAGR: 24.7%

VALUED, 2019: \$190 BN

VALUED*, 2025: \$1.102

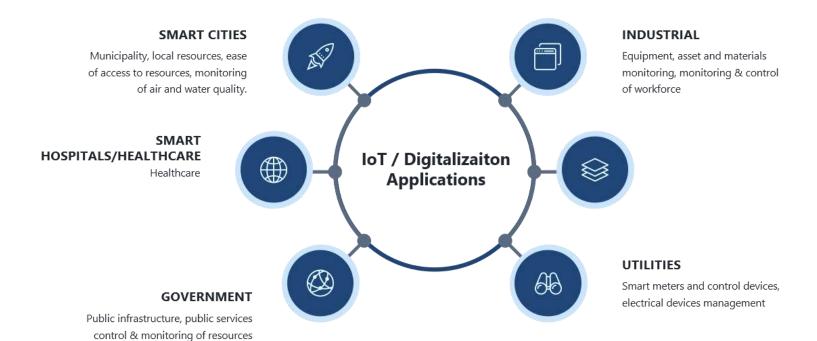
BARKET LEADERS

Accenture, Cisco, Intel, Schneider Electric, Siemens, SAP, Dell, General Electric, Huawei, Apple, Samsung, Google



Landscape

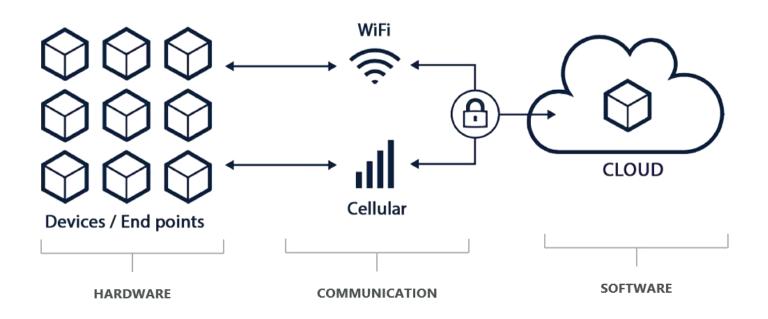




The fundament of Digitalization



Digitalization === Data



Market Structure

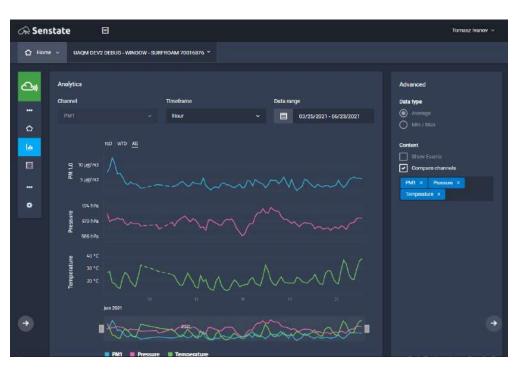


IMPLEMTNATION PRIC	< 1 000 EUR	< 10 000 EUR	< 100 000 EUR
COMPANIES	100 000 0000	20 000 000	1 000 000
	HUNDREDS OF SMALL COMPANIES OFFERING SELF- IMPLEMENTATION, NON INTEGRATED PARTIAL SOLUTIONS REQUIRE ENGINEERING/ TECHNICAL EXPERTIZE TO IMPLEMENT	MID CAPS COMPANIES, RESEARCH ENTITIES, CUSTOM ENGINEERING COMPANIES	SIEMENS Honeywell ABB OMRON
COMPANY SIZE	SMALL	SMALL/MEDIUM	BIG/ENTERPRISE
INSTALLATION TYPE	SELF INSTALL	SELF INSTALL/SUPPORT	PAID/COMMERCIAL



Project name: Environmental Monitoring in Server Rooms

Status: Implemented, in completion phase



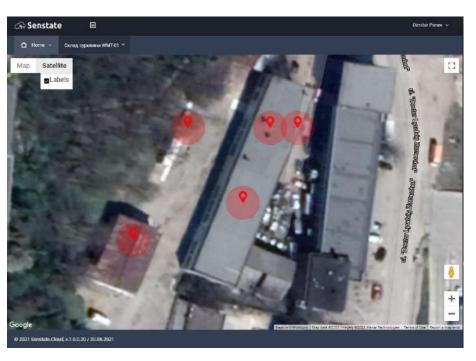






Project name: HACCP & GMP Compliance System

Status: Implemented, in completion phase









Project name: Machine sensory data digitalization

Status: Planning, in initial phase



^{*}Video slide, to be played



Project name: Environmental Monitoring in the city of Gabrovo

Status: Installing, in pilot phase



^{*}Redirection to another presentation



Thank you!

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