netronix

Vasileios Nasis, Ph.D
CEO

INDUSTRIAL REVOLUTION

TRANSFORMING INDUSTRIES AND INNOVATION

INDUSTRY 1.0

Mechanization, steam power, weaving loom

INDUSTRY 2.0

Mass production, assembly line, electrical energy

INDUSTRY 3.0

Automation, computers and electronics

INDUSTRY 4.0

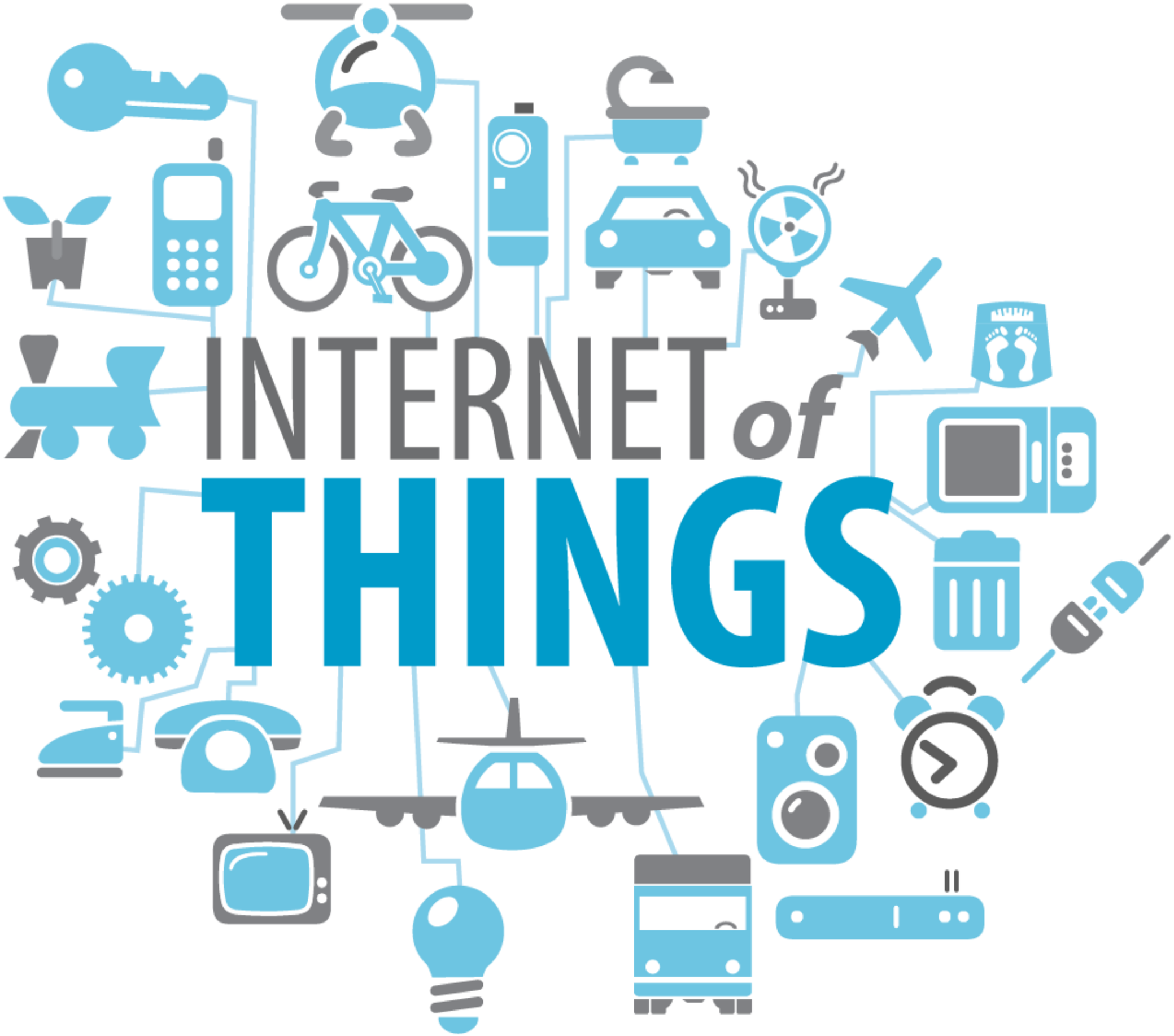
Cyber Physical Systems, internet of things, networks

1784

1870

1969

TODAY


INTERNET of
THINGS

ALSO
BIG
DATA
TOOLS
DISK
TARGET
APPLIED
SENSOR
SHARED
DEFINITION
CURRENT
MAY
MOVING
WITHIN
EXAMPLES
EVERY
RECONSIDER
PRACTITIONERS
CAPTURE
THOUGHT
ZETTABYTES
INTERNET
BUSINESS
DISTRIBUTED
SETS
GENOMICS
COMPLEXITY
DESCRIBING
RADIO-FREQUENCY
MANAGEMENT
TERABYTES
CASE
PETABYTES
INCLUDE
ABILITY
ELAPSED
FORMS
SYSTEMS
TOLERABLE
SIZE
STORAGE
MPP
SAN
QUALITIES
SINCE
PARALLEL
MASSIVELY
GROW
CONNECTOMICS
ORGANIZATIONS
SET
RELATIONAL
USE
LARGER
CONTINUES
SOCIAL
INDEXING
TENS
COMPLEX
CITATION
ANALYTICS
NOW
BIOLOGICAL
PROCESSING
UBIQUITOUS
CAPACITY
BURIED
WORLD'S
HUNDREDS
DESKTOP
RECORDS
NETWORKS
DATABASES
SEARCH
SOLID
TYPES
CURRENTLY
GARTNER
OPPORTUNITIES
WORKING
AMOUNT
DIFFICULTY

...by 2020

4 Billion
Connected People

25+ Billion
Connected Devices

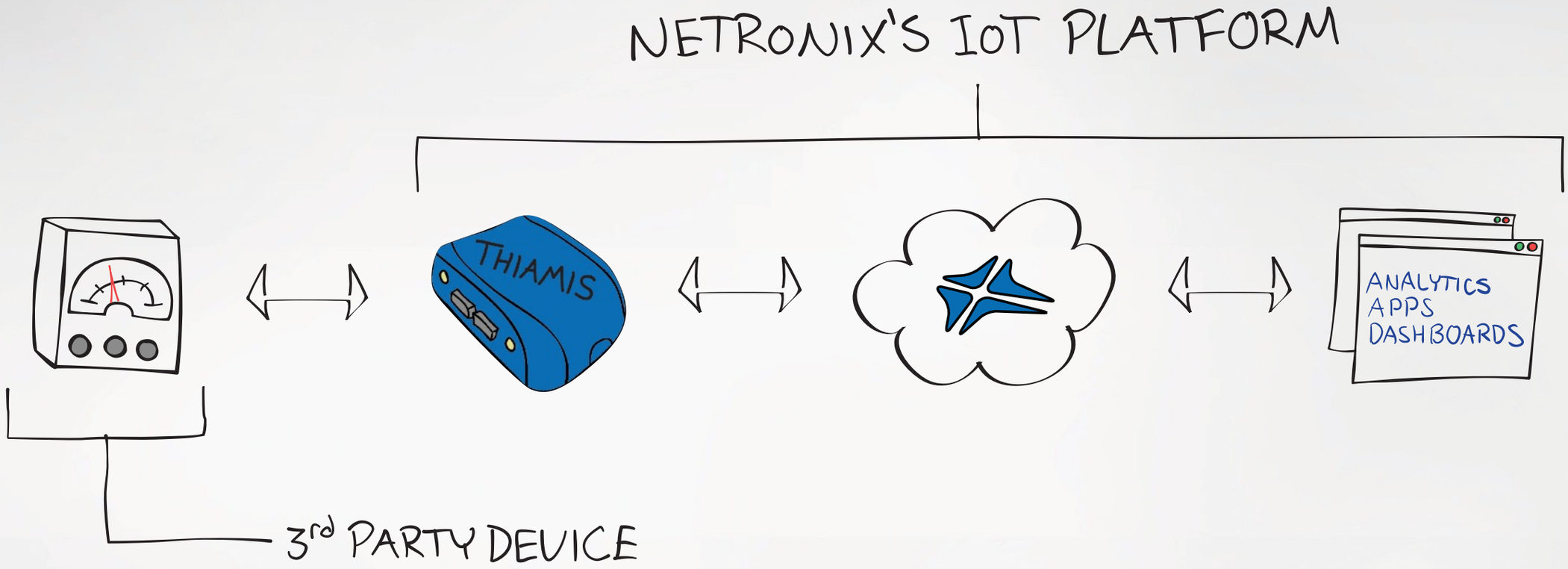
50 Trillion
GBs of Data

$4 Trillion
Business Opportunity

Energy Management

Environmental monitoring

Transportation systems



Edge processing RF diversity API & SDK environment

Cloud computing Hybrid processing

Scalability and Security

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User

Sensor

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Thiamis™

Mobile Apps

Web-Applications

Acheron™

IoT cloud Architecture

Thiamis Gateway VM

Applications VM

APIs

SDK

Device management

Security Layer

Databases

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Thiamis 1000

Making any device part of IoT

Data Ports

RS-232 (3), RS-485 ASCII,
ModBUS, UMB, SDI-12
USB, Bluetooth, Zigbee
SPI, I2C

RF Modules

GPRS/HSPA+ (3G)
WiFi 802.11b/g
Bluetooth 4.0
Zigbee
GPS
(Built-in Antenna)

Other things...

Barometer
Temperature
Accelerometer
Solar Charger
8GB SD card

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ENVIRONMENTAL
DustTrak™ DRX
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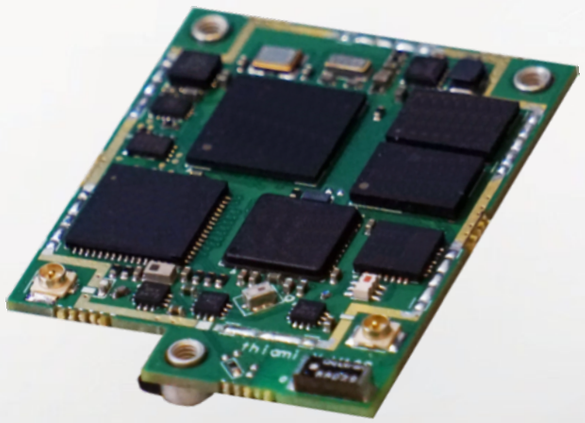
Making any device part of IoT



Thiamis X

The gateway to IoT

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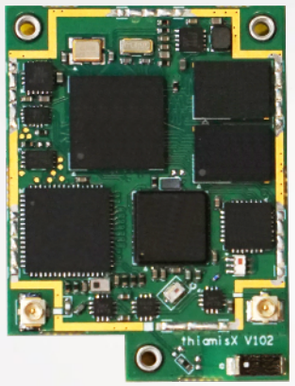
Platform

Hardware



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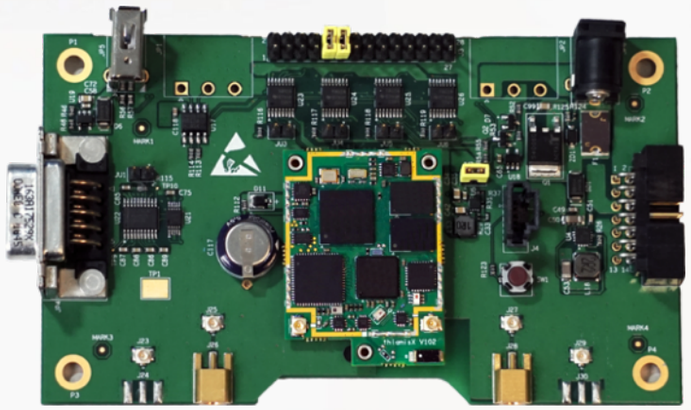

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New IoT Products

thiamis X

Development Board

- Rapid development of prototypes
- Fast concept to market development
- The Raspberry Pi of IoT

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PM1, PM2.5, PM10 Sensor

CO2 CH2O VOC

Temperature, Humidity and Pressure

Processor/RF + Memory + I/Os + Sensor/Actuator

Reduces 75% of the cost of Development and Production

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Things as a Service

TaaS

A new business model for the IoT

Reduces initial cost and overall cost of ownership

Pay as you go

Vertical Markets

enviro net℠

A new paradigm in environmental monitoring.

Learn More >

topo™

The future of fleet/asset/personnel tracking is here!

Learn More >

AirThinx Pine Environmental SAP

3M Eco Rental Solutions AQMD

Langan TSI US NAVY EPA

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