

Internetul lucrurilor și viitorul tehnologic

- studii de caz reale și aplicabilitate în industrie -

DeviceHub.net

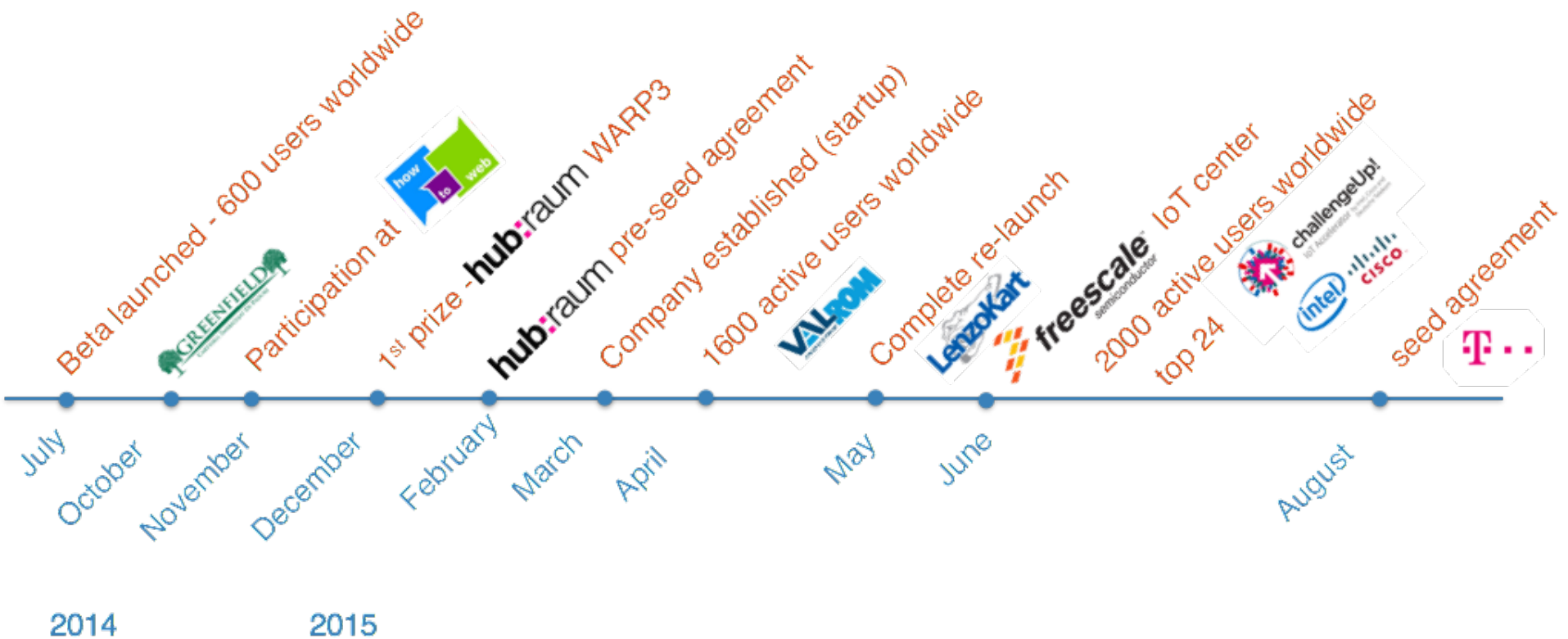


Cristiana Bogățeanu

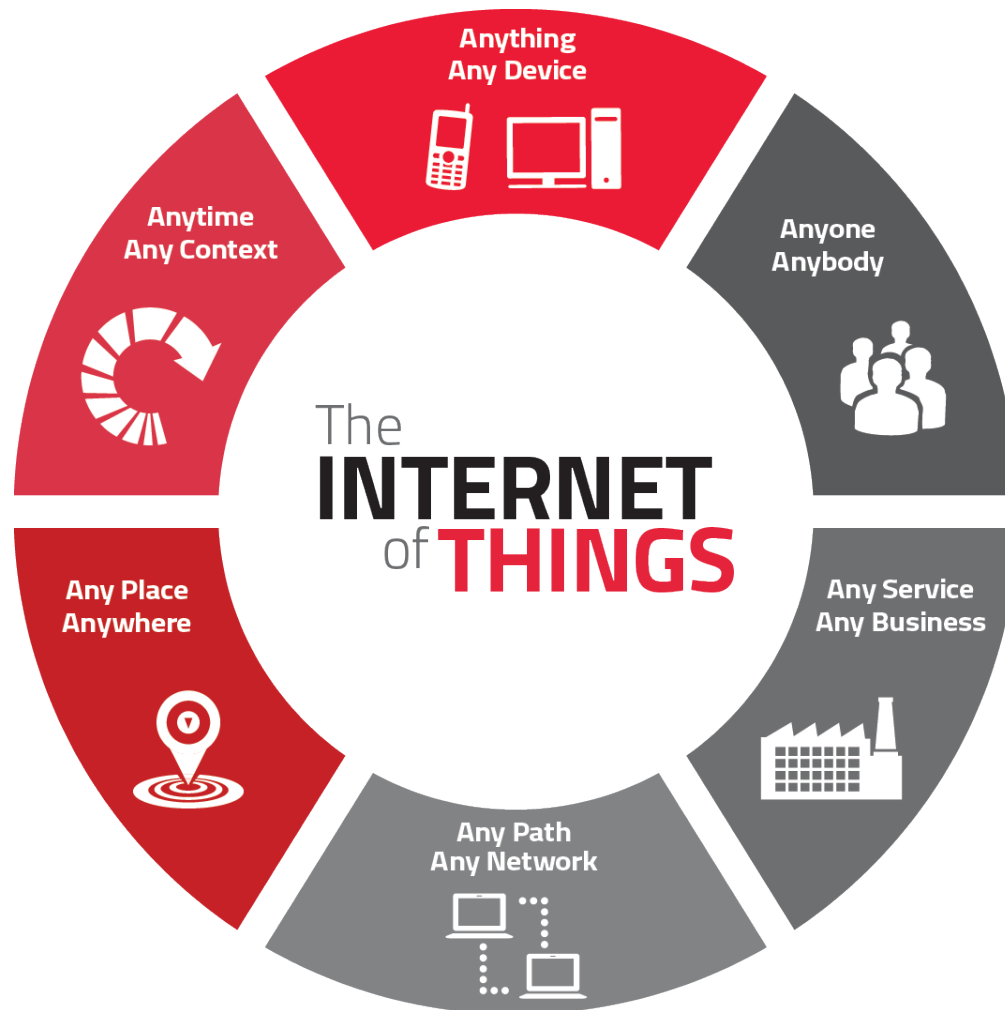
Co-fondator & CMO

DeviceHub.net

Startup cercetare & inovare



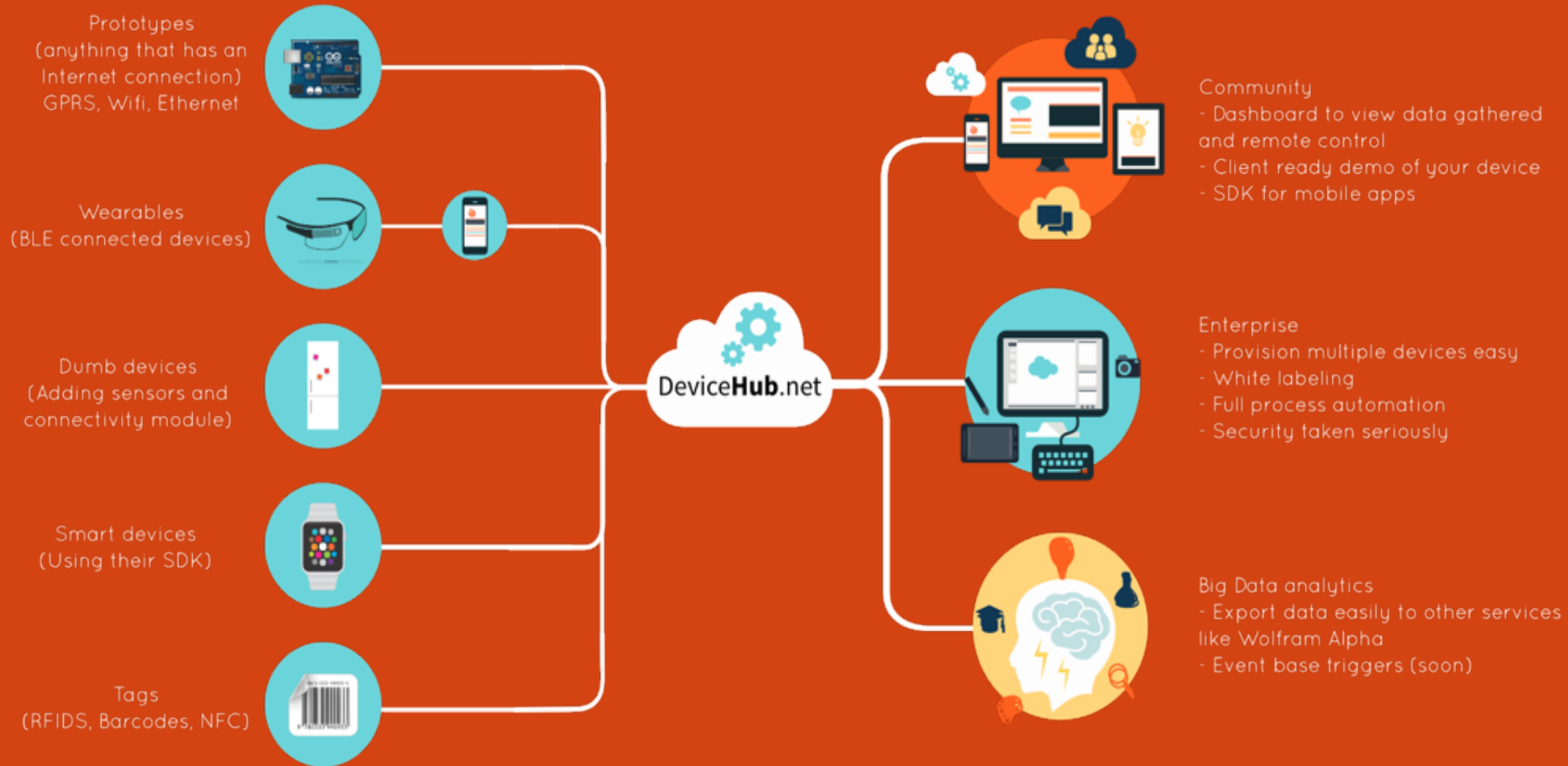
Internetul lucrurilor



Internetul lucrurilor

Bidirectional communication REST/MQTT

API for exposing/controlling the stored data



Viitorul tehnologic

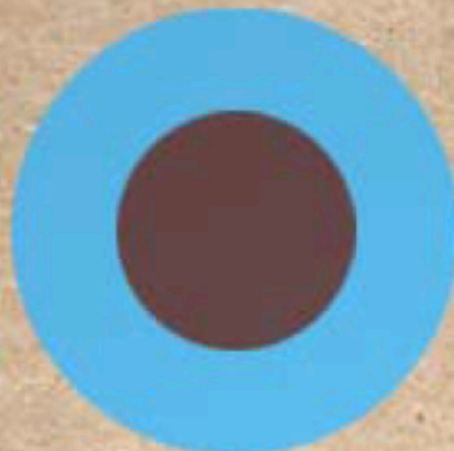
During 2008, the number of **things** connected to the Internet exceeded the number of **people** on earth.



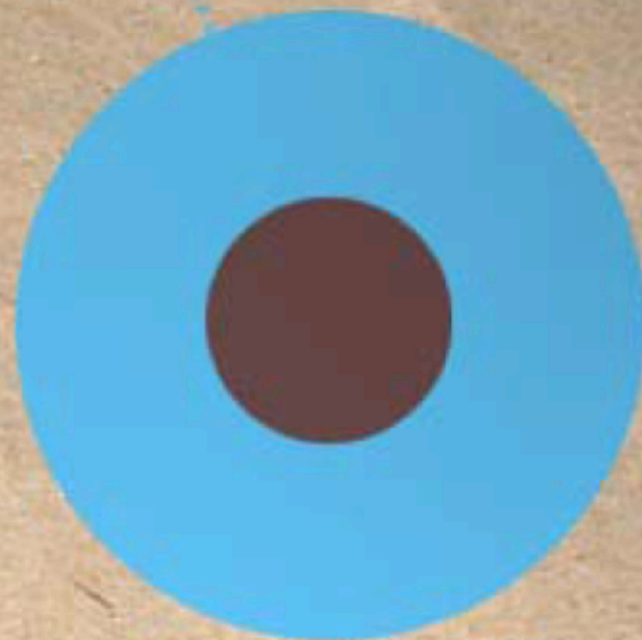
2003



2010



2015



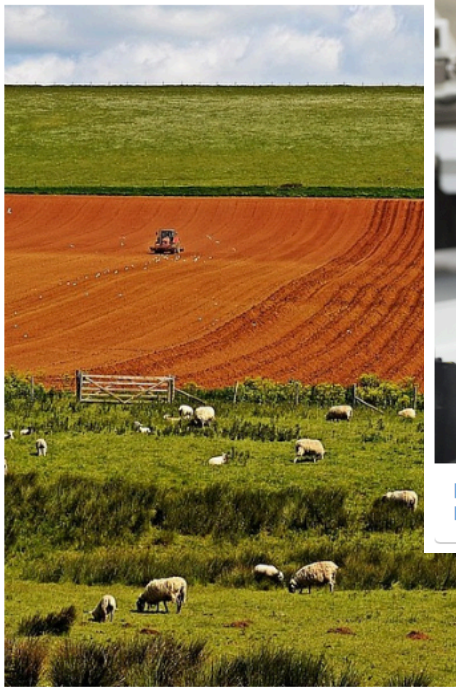
By 2020 there will be **50 billion**.

Aplicabilitate în industrie



Transportation
fuel spent

9.3
l/km



Agriculture
soil moisture

35%
field



Medical
blood sugar

4.5
mmol/L



Security
door status

locked
05/05



Wearables
activity

15k
steps/day



Home
temperature

21.3
°C



Smart City
CO2 level

280
ppm



Industry
output

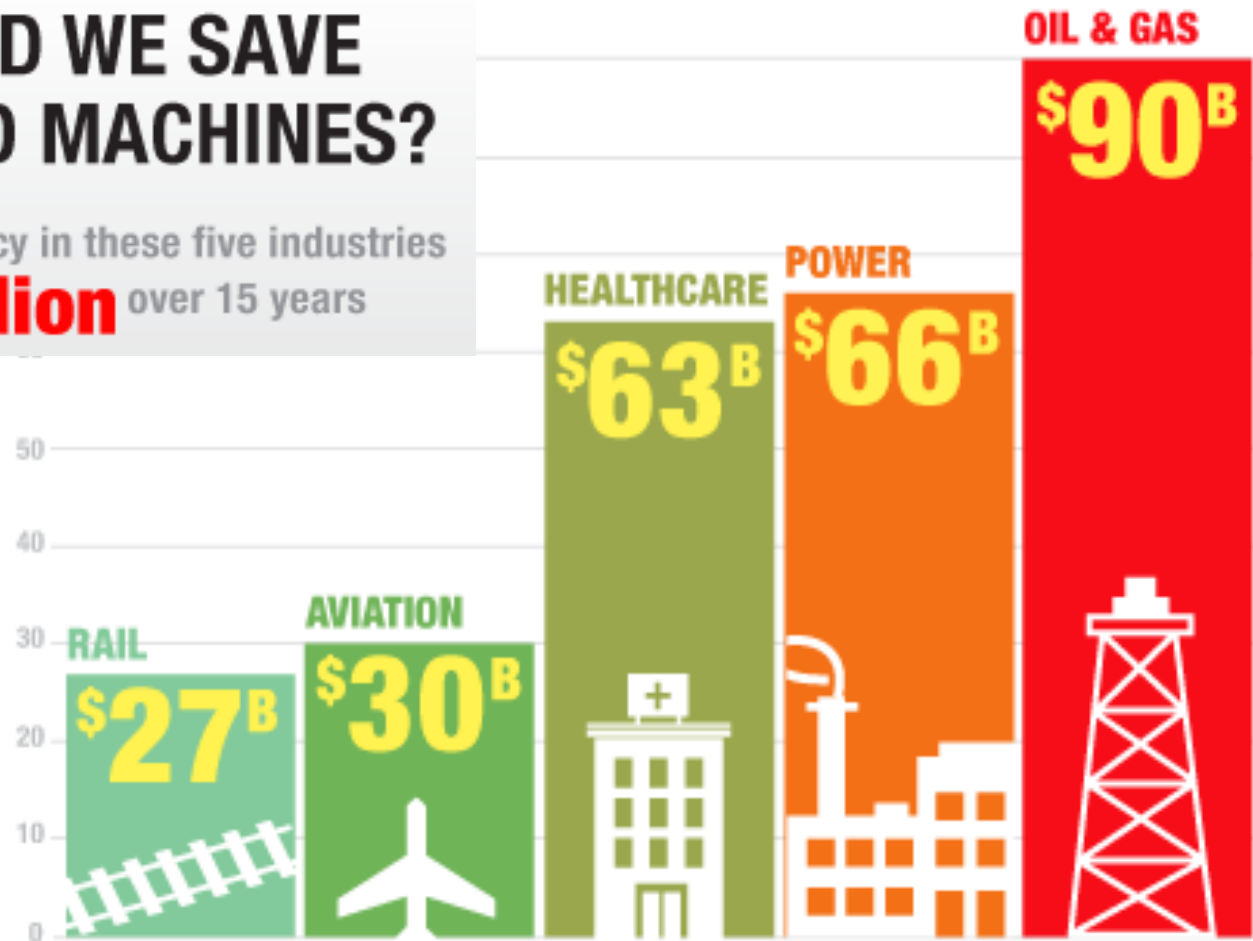
1.3k
kWh

Aplicabilitate în industrie

- ✓ Afișare date de la distanță;
- ✓ Control de la distanță;
- ✓ Diagnostic și prevenire timpurie a defectelor/incidentelor;
- ✓ Monitorizare utilaje/date;
- ✓ Minimizarea input-ului uman;
- ✓ Minimizare intervențiilor de service pentru un anumit dispozitiv;
- ✓ Evaluare/date în timp real;
- ✓ Crearea de reguli;
- ✓ Stocare date în cloud;
- ✓ Acces de control diferit în funcție de date/utilaj/rol;
- ✓ Istoric utilaj/date monitorizate – decizie fundamentată.

HOW MUCH COULD WE SAVE WITH CONNECTED MACHINES?

A **1%** improvement in efficiency in these five industries could add up to **\$276 Billion** over 15 years



by giving workers a real-time picture of rail networks

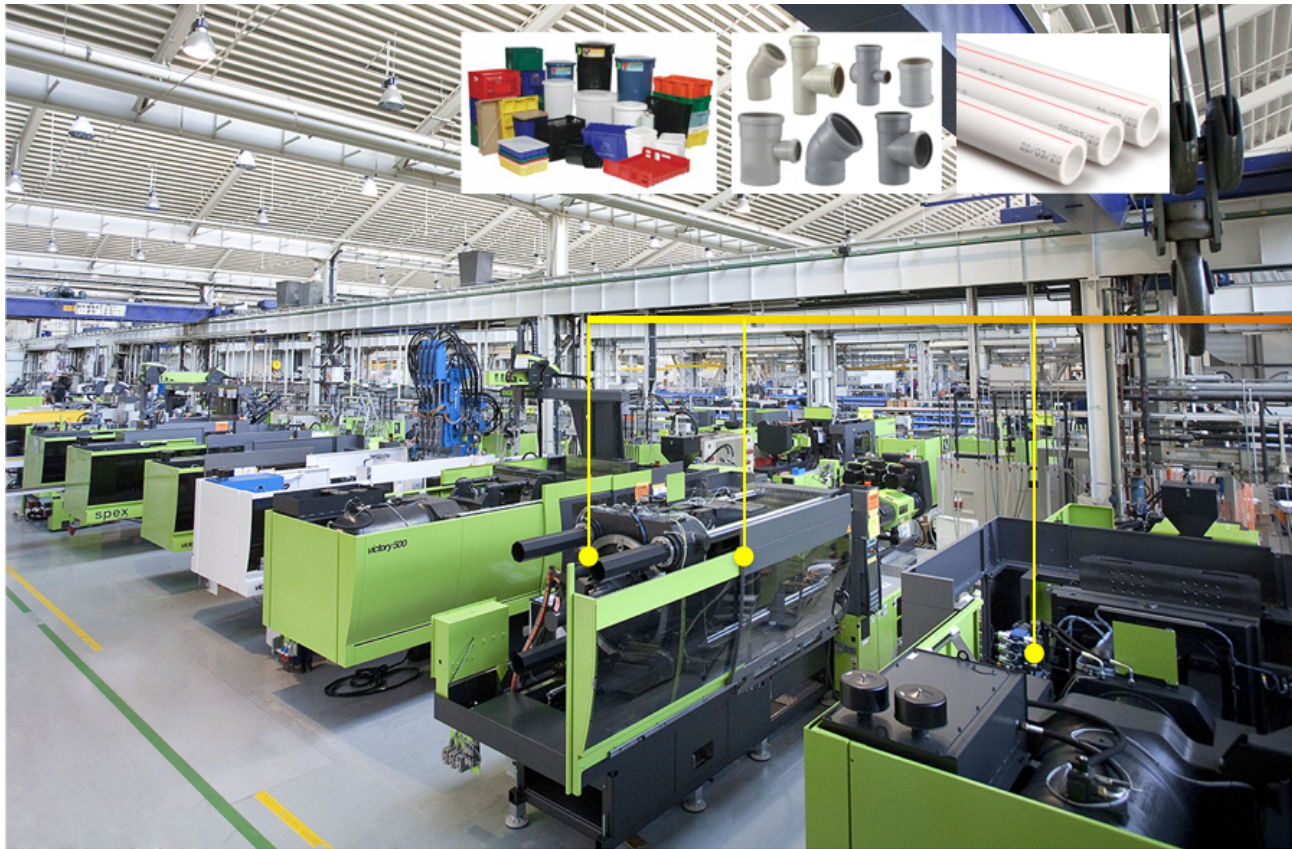
by planning more efficient flight paths and using smart engines that tell crews when they need maintenance

by helping workers locate and use mobile equipment more efficiently

by monitoring equipment better and predicting other potential network problems

by cutting fuel and operating costs, and by making equipment more available and productive

Studiu de caz



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Prezicere incident următor

Optimizare procese

Studiu de caz



Date telemetrice



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Rezultate
cursă pentru
părinți/antrenori

Rezultate
pentru mecanici -
optimizare

Alături de noi

Parteneri actuali



hub:raum



freescale



Clienți



CARTIERUL ÎMBRĂȚISAT DE PADURE



Sisteme complete de supraveghere

Investitori (în discuție)



KAMDIA
CONSULTING & INVESTMENTS

Vă mulțumesc!

DeviceHub.net

The universal interface for Internet of Things & M2M

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