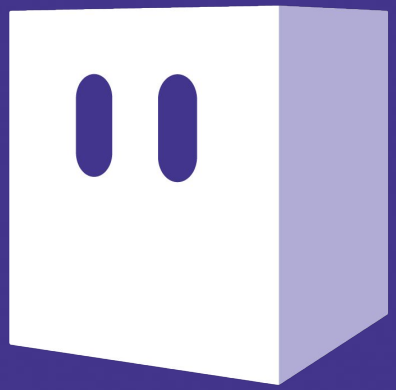
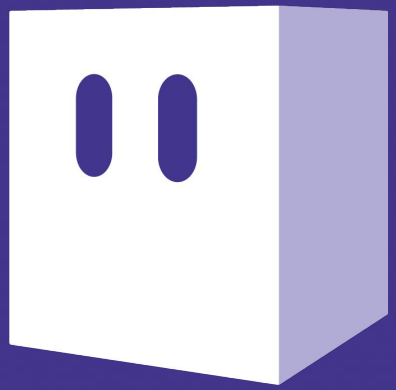


craft ai

Fulfilling the promises of IoT Thanks to cognitive automation

*

Clodéric Mars, CTO @ craft ai



craft ai

Cognitive Automation API
Powered by Explainable AI

Trusted by

dalkia GROUPE EDF

MAIRIE DE PARIS

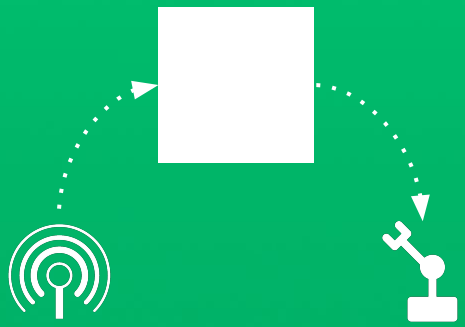
direct energie

legrand

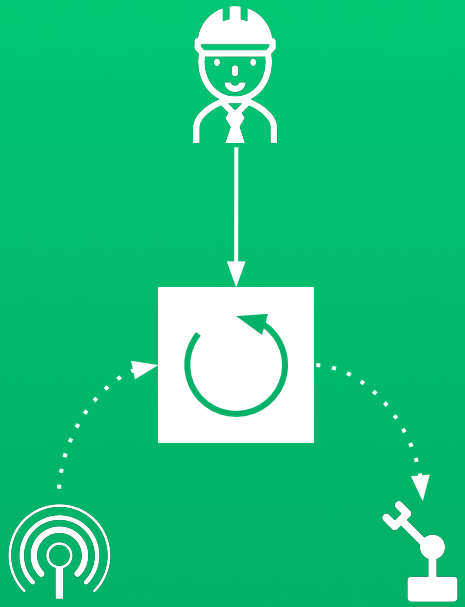
Microsoft

SAMSUNG

NOKIA

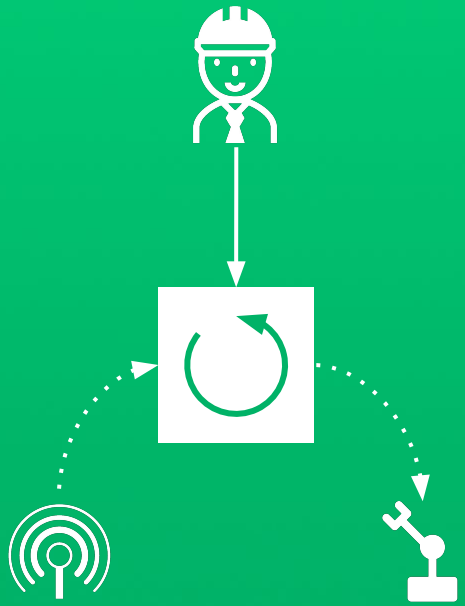


Internet = Connected
of
Things = Sensors + Effectors



Bringing software to the physical world

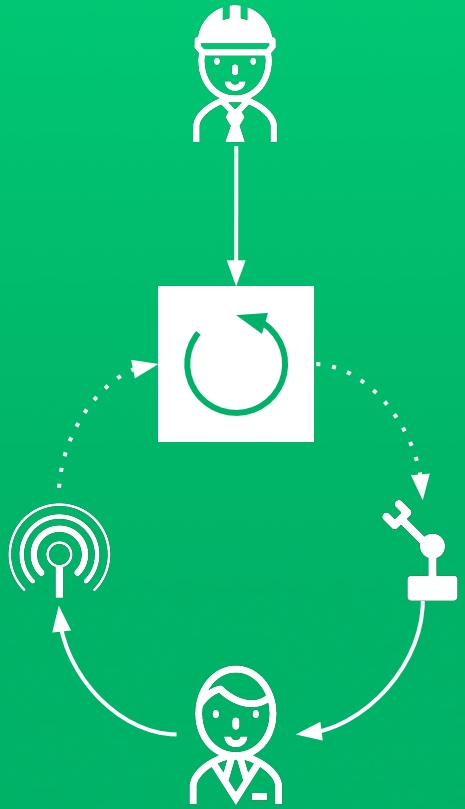
- Data
- APIs
- Automation



Challenges

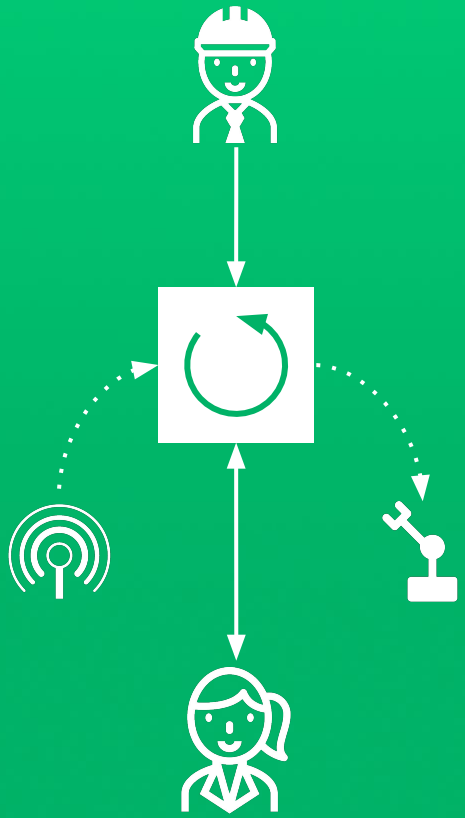
"IoT needs to grow beyond **Intranets Of Things** and toward **Intelligence of Things**"

- *Luc Julia, Samsung Electronics*



Intelligence of Things for Consumer IoT

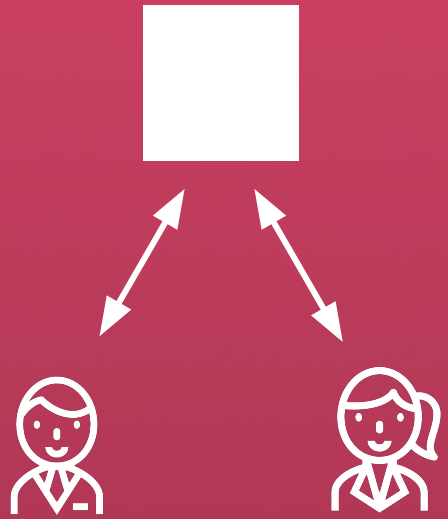
Deliver value and get out of the way



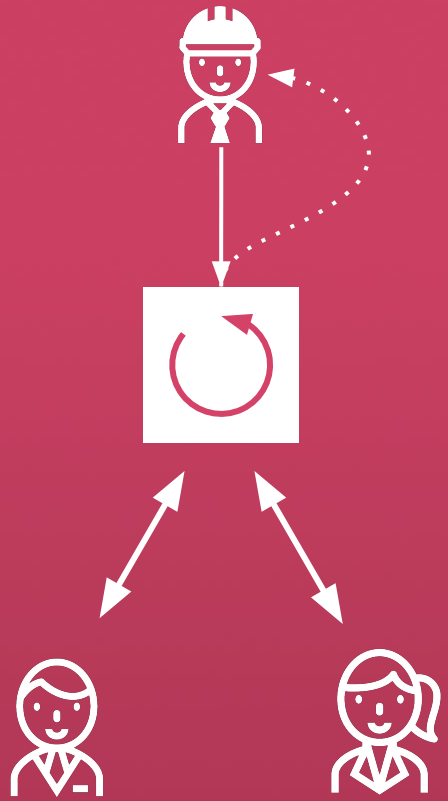
Intelligence of Things for Industrial IoT

Increase the productivity of knowledge workers

Usual ways of making software intelligent don’t apply

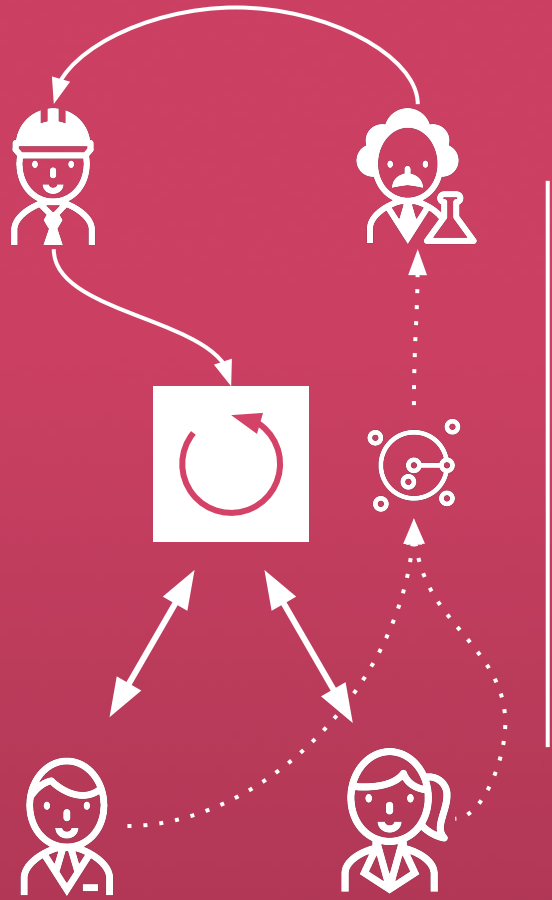


Let’s consider a website



Intelligent website 1.0

The website behavior, it’s automation, is designed according to “best practices” / empirical knowledge / theoretical knowledge

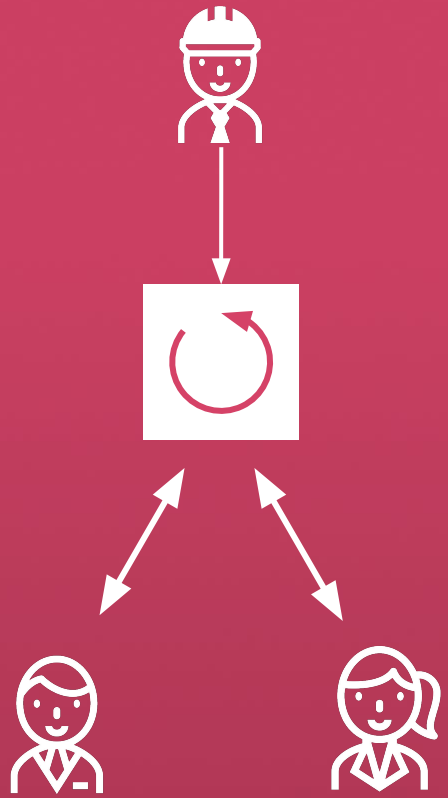


Intelligent website 2.0

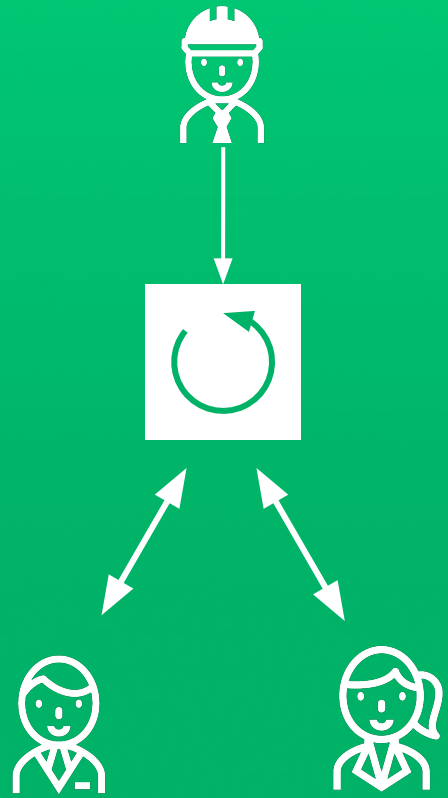
Data-driven automation

➡ *Applicable to IoT ?*

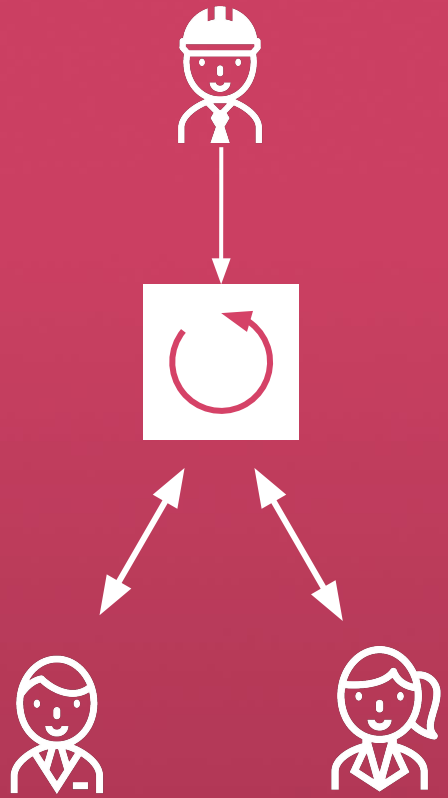
Website



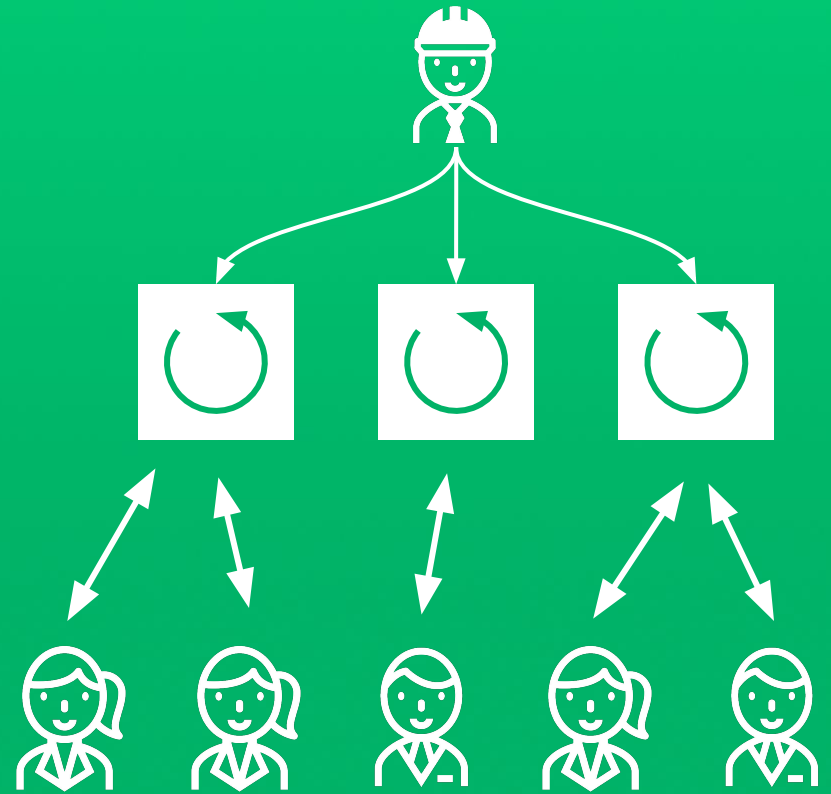
Device

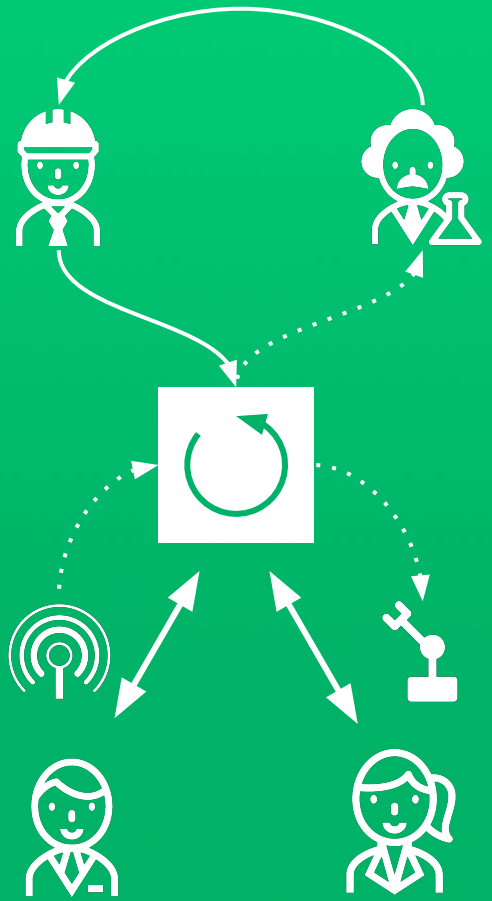


Website



Fleet of Devices





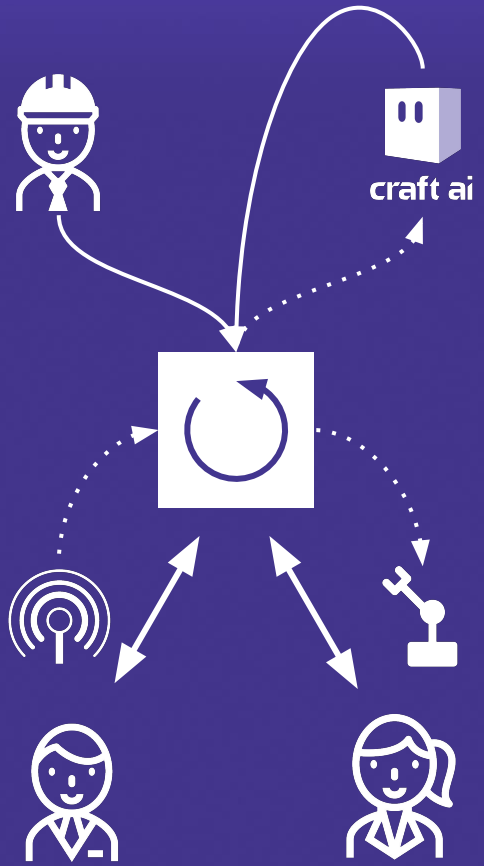
1 Device ~= 1 website

… except there is more than one device

➡ *Need for a automated way to build automation*

… and each have only a few users

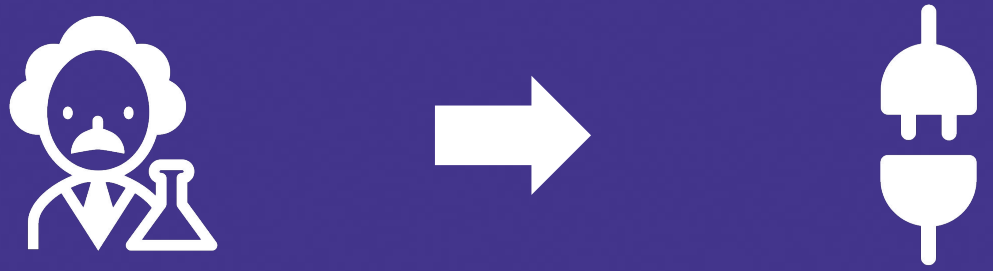
➡ *Not enough data for traditional analytics approach*



Cognitive automation

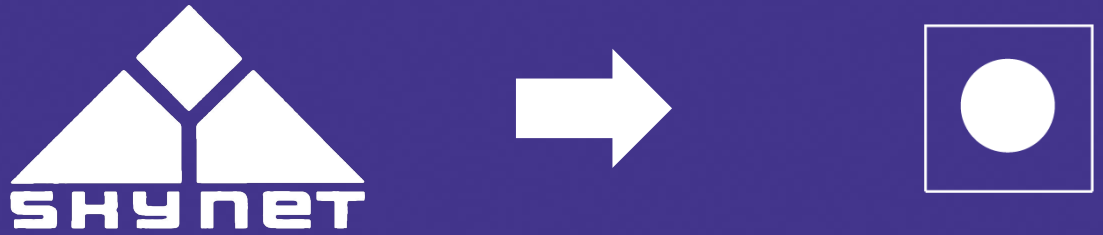
Self adapting automation

- Predicts how the devices and its users will “react” in context
- Enable developers to create automations based on these habits



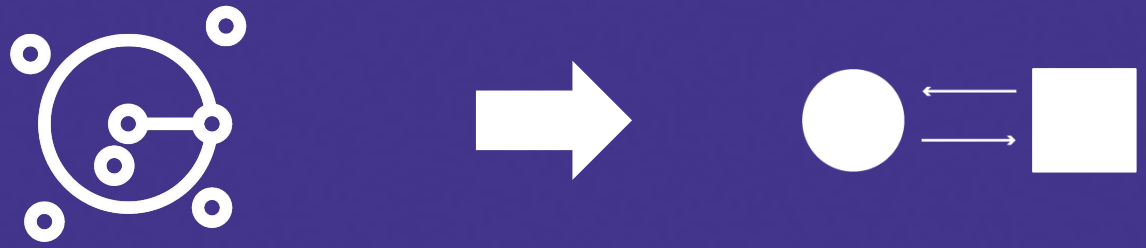
Automated Machine Learning API

no AI-team required



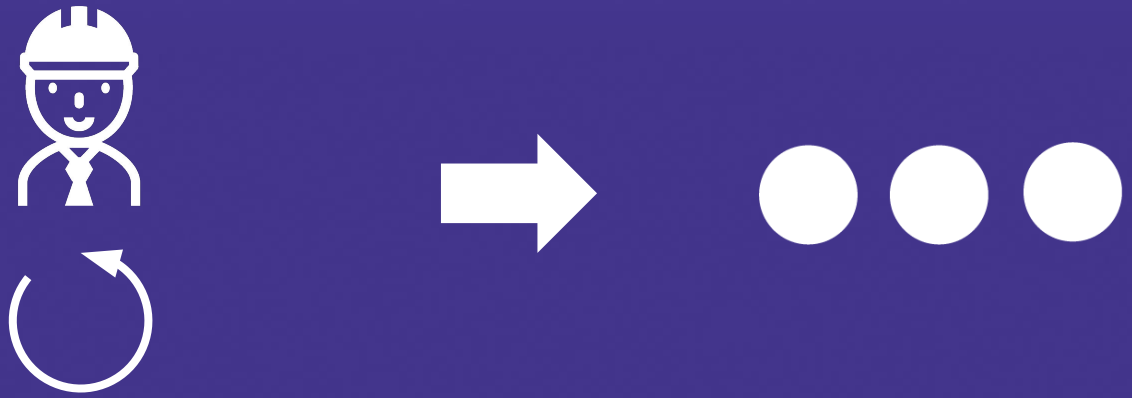
Explainable AI

controllable and trustable



1:1 level

individual level machine learning



Continuous machine learning

automatically generated
ever-improving

dalkia GROUPE EDF

suez MAIRIE DE PARIS

hostabee

Energy Management

predict expert decisions
to automate supervision process

Waste Management

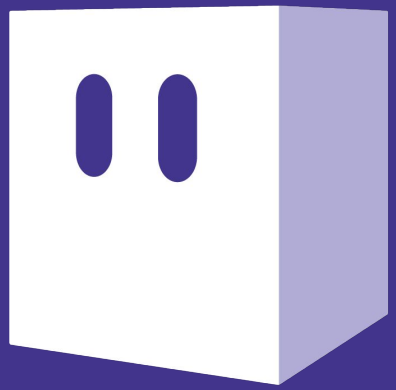
predict bins collection time
to automate personalized push notifications

Agritech

predict hive activity
to automate health monitoring

Takeaway

* Data-driven automation is key to deliver the expected value
* Existing tools don’t adapt to IoT
* Cognitive Automation is needed!



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Sign up at craft.ai

Get in touch at cloderic@craft.ai

Or on gallery level, between blocks 3 and 5