



Connected Objects & services

 @Hub\_Faubourg

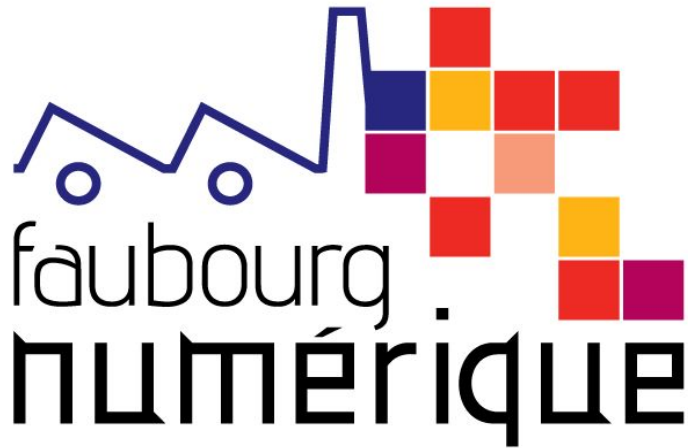
**FIWARE Summit**

14/12/2016

 **FIWARE** Summit



An association  
created  
by entrepreneurs  
for entrepreneurs



## Four Success Attributes: Heart, Smarts, Guts and Luck



= Purpose, Passion, & Sacrifice



= Pattern Recognition (not just book IQ!)

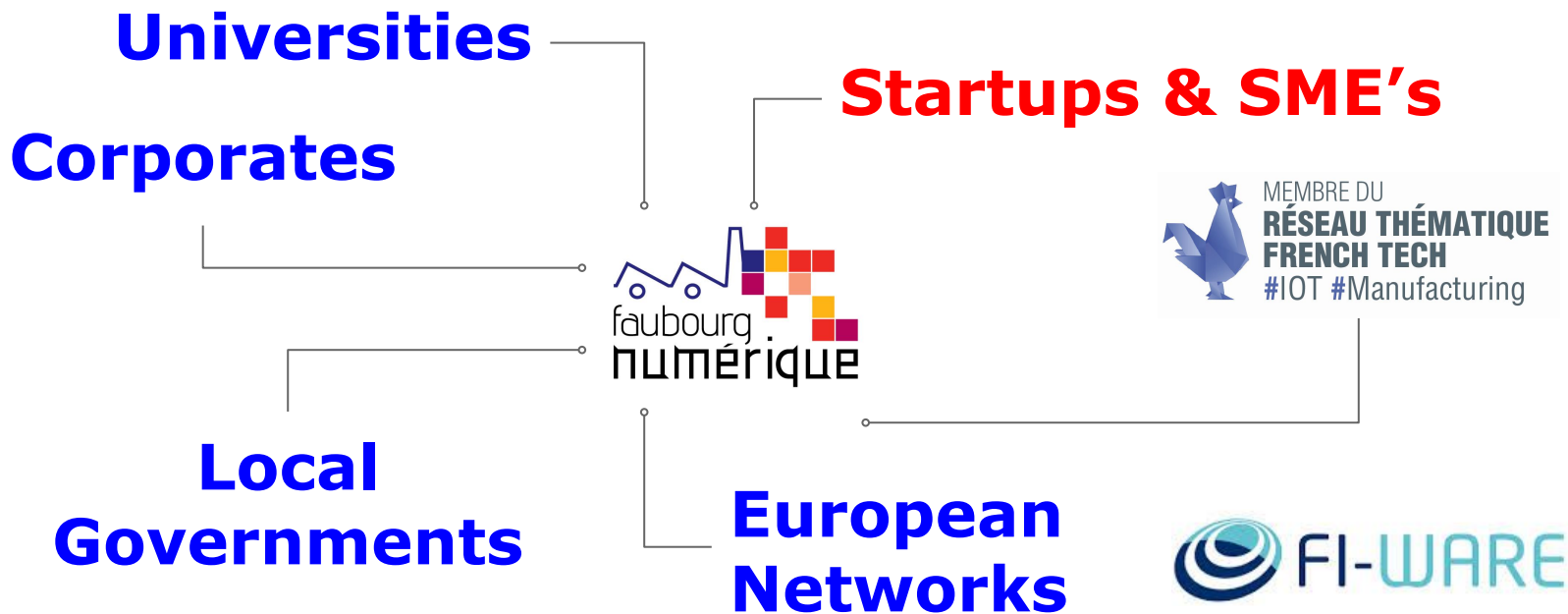


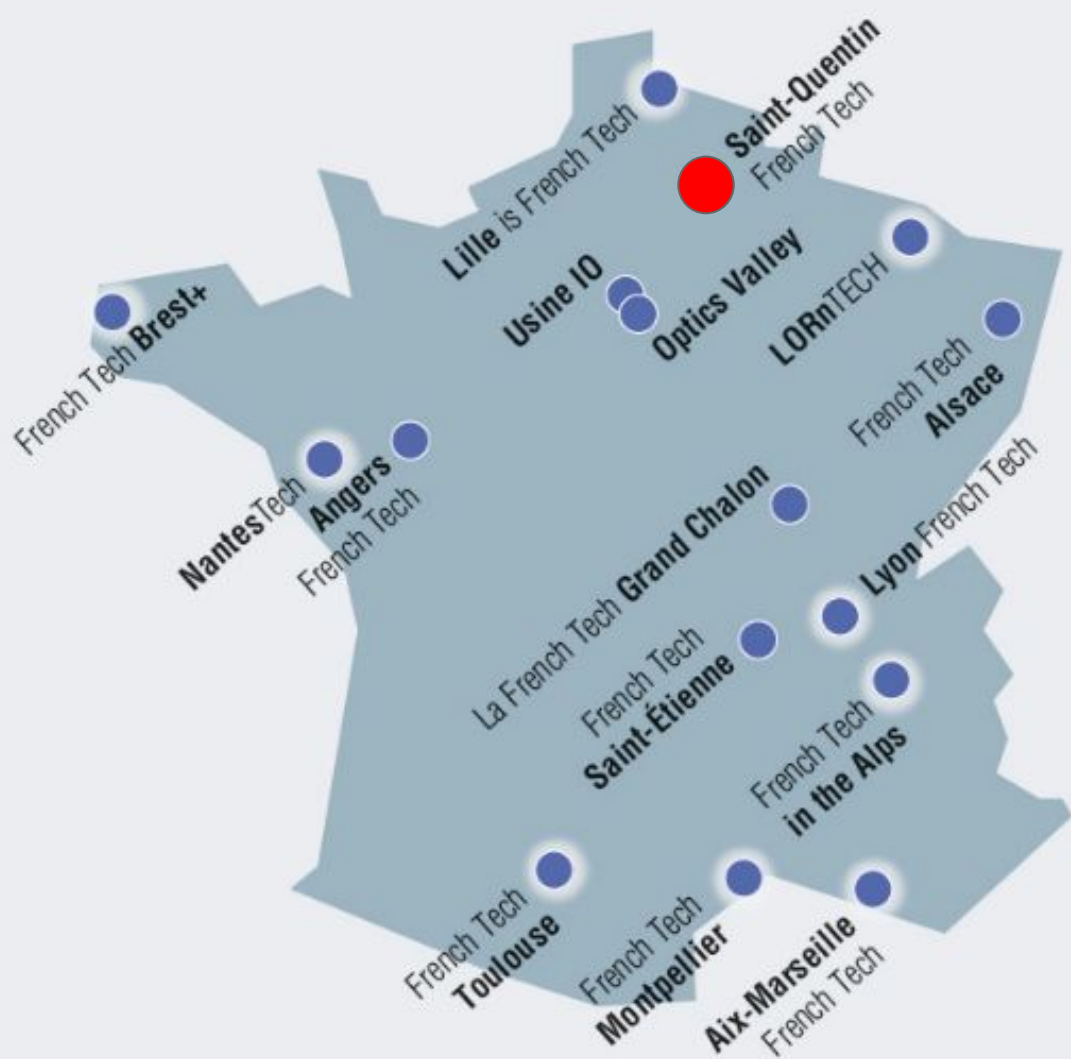
= Initiation, Endurance, & Evolution



= Attitude & Relationships

A bottom-up approach and a pivot to unify the local ecosystem around IoT and connect to global innovation initiatives





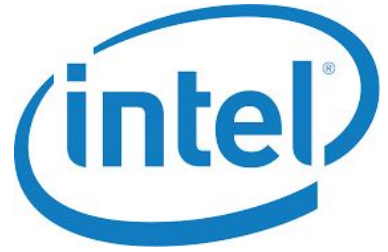
MEMBRE DU  
**RÉSEAU THÉMATIQUE  
FRENCH TECH**  
#IOT #Manufacturing



**SAINT-QUENTIN  
FRENCH TECH**



Corporates & Technology Providers,  
the real sponsors of the community



Open source:  FI-WARE

The FI-WARE logo features a stylized circular icon on the left, composed of concentric, overlapping blue and white curved lines. To the right of the icon, the text "FI-WARE" is written in a light blue, uppercase, sans-serif font.

# Leverage european networks to connect Northern France Region to international innovation scene







Filters

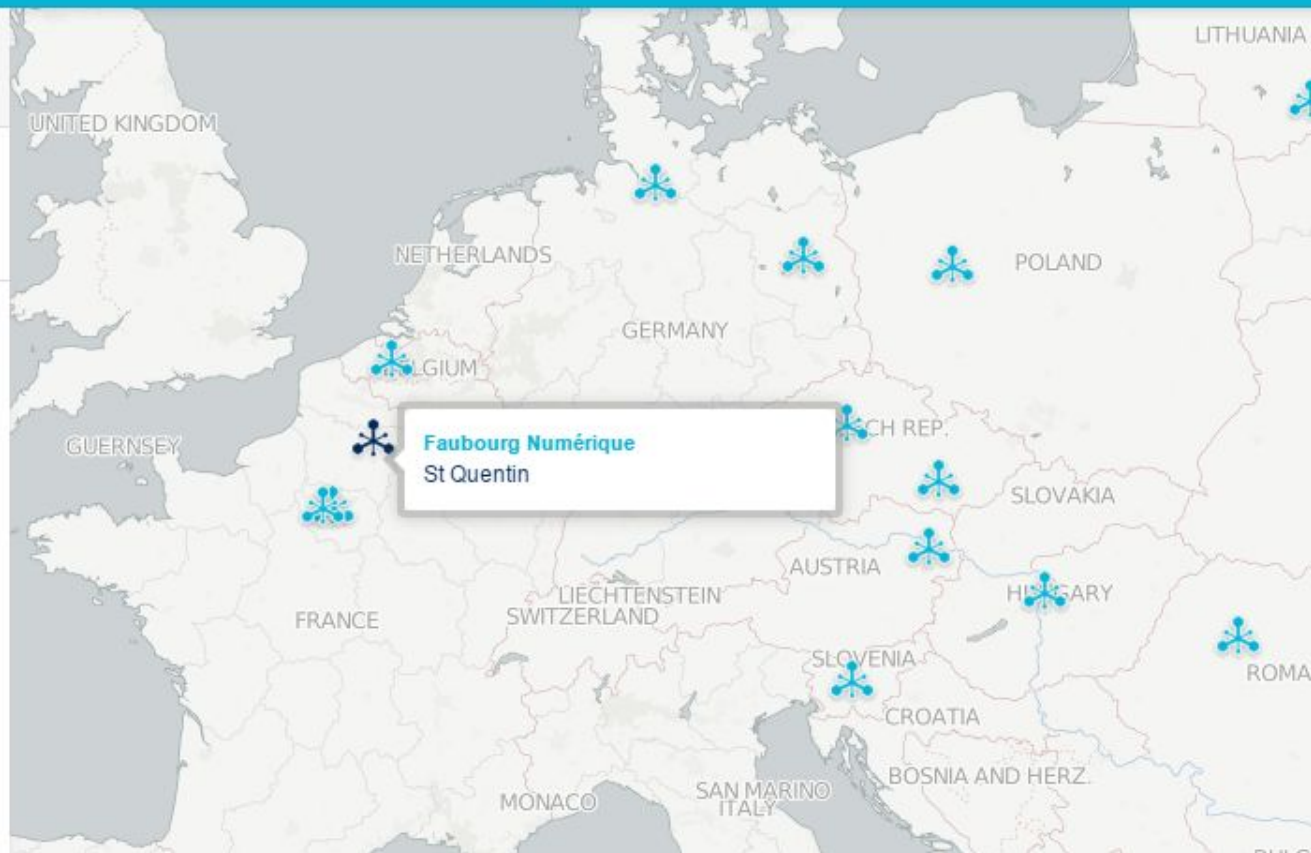
## Faubourg Numérique



<http://www.faubourgnumerique...>



Contact  
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### Saint-Quentin



Country  
France

Wave  
2nd Wave

Type  
Open and Agile Smart Cities Initiative  
<http://www.oascities.org/>





# Startups & SME's: what we love to be!



hostabee



AGROTECSOL



étoele



FI-C3



Smart  
Agri-Food



FIWARE  
Accelerate



4th prize  
FIWARE Challenge  
Net Futures 2015 BXL



# Tech & Business Events



# Universities: the pillar of the community dynamism



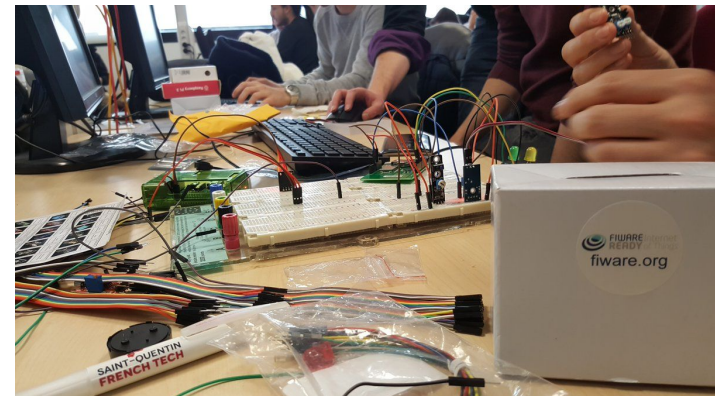
**FIWARE IoT Architecture  
is used as reference to  
introduce IoT technologies  
in the Master in  
Cloud Computing & Mobility  
(University of Picardy)  
the Master in IoT  
(Technical University ESIEE)**

# Open Innovation

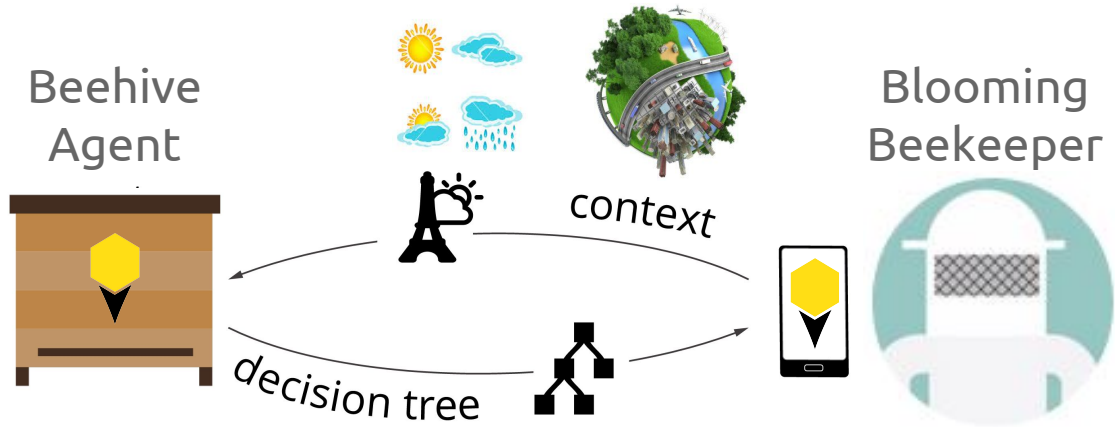


# Startup Challenge

# Hackathons







# IoT for Beekeeping



LAS VEGAS, NV  
JANUARY 5-8, 2017





orange Live Objects LPWA EN - [connect\\_device@orange.com](#)

70B3D59BA Deactivate Delete Back

Information Uplink Downlink

Parameters	
DevEui	70B3D59BA
Name	hostabee-magel-3FA_MM
Registration date	10/15/2016 9:52:35 PM
Activation mode	OverTheAir
Profile	ATIM ARM-N8 LW
AppEui	
AppKey	
Device address	

Network	
Last comm.	12/09/2016 2:01:24 PM
Network signal	...
Battery	Unavailable

Customer tags	
---------------	--



orange™

Open LPWA IoT agent

```
INFO: hostabeeProd: [format to_aps1:input] hive: {'insideTemperature': 6.8, 'timestamp': '148115684', 'insideHumidity': 78.2, 'batteryLevel': 88, 'type': 'Hive', 'id': '510216744977336'} | weather: {'weatherDescription': 'Clear sky', 'windSpeed': 200, 'outsideHumidity': 78, 'windSpeed': 1.5, 'weatherIcon': 'u'81d', 'pressure': 1032, 'outsideTemperature': '9.15'}
INFO: hostabeeProd: [format to_aps1:output] NGSI2: {'weatherDescription': {'type': 'String', 'value': 'Clear sky'}, 'insideTemperature': {'type': 'Float', 'value': 6.8}, 'windSpeed': {'type': 'Float', 'value': 200}, 'timestamp': {'type': 'String', 'value': '148115684'}, 'insideHumidity': {'type': 'Float', 'value': 78.2}, 'pressure': {'type': 'Float', 'value': 1032}, 'windSpeed': {'type': 'Float', 'value': 1.5}, 'weatherIcon': {'type': 'String', 'value': 'u'81d'}, 'outsideTemperature': {'type': 'Float', 'value': 9.15}, 'outsideHumidity': {'type': 'Float', 'value': 78}, 'batteryLevel': {'type': 'Integer', 'value': 88}, 'type': 'Hive', 'id': '510216744977336'}
WARNING: hostabeeProd: message [u'tags': [], u'timestamp': u'2016-12-07T14:01:24.501Z', u'value': {u'payload': u'468208186c807', u'port': 5, u'signalLevel': 5, u'fcn': 842}, u'streamId': u'ura:loras:70B3D59BA0007A', u'uplink': u'model': u'loras_w', u'metadata': {u'source': u'ura:loras:70B3D59BA0007A'}]
WARNING: hostabeeProd: payload: 468208186c807
WARNING: hostabeeProd: Code F
INFO: hostabeeProd: payload: 468208186c807
INFO: hostabeeProd: [get_hive_statement:output] hive: {'insideTemperature': 7.2, 'timestamp': '148115224', 'insideHumidity': 78.2, 'batteryLevel': 87, 'type': 'Hive', 'id': '510216744977336'}
INFO: hostabeeProd: city : Paris
INFO: hostabeeProd: weather : {'clouds': {u'all': 0}, u'name': u'Paris', u'visibility': 10000, u'sys': {u'country': u'FR', u'sunset': '148112684}, u'message': 0.3178, u'type': 1, u'id': 5015, u'source': '148109463}, u'weather': [{u'main': 'Clear', u'id': 886, u'icon': u'81d', u'description': u'clear sky'}], u'coord': {u'lat': 48.85, u'lon': u'devicessh:5
```

MQTT protocol

NGSI protocol

Orion

- Live Object
- web UI for LoRa payloads
  - MQTT broker for data



# Join the FIWARE iHubs network?



# From digital feudalism

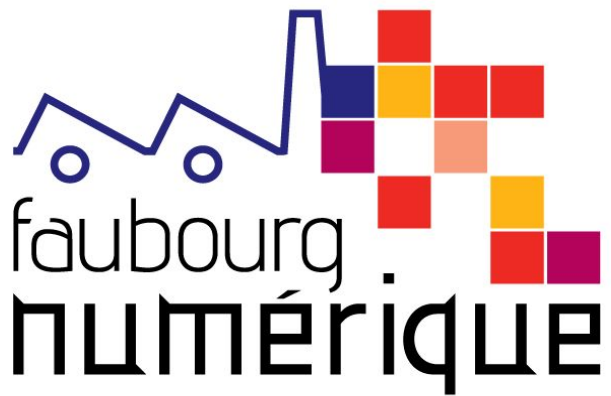


Proud Google Cloud Platform knights

# To digital Republic



...ambitious local  FI-WARE users and contributors



 @Hub\_Faubourg

 MEMBRES DU  
**RÉSEAU THÉMATIQUE  
FRENCH TECH**  
#IOT #Manufacturing

- INTERNET DES OBJETS
- OBJETS CONNECTÉS
  - HARDWARE
- IMPRESSION 3D
  - ROBOTS
  - DRONES

