 31.01.2020

Eversys

**CONNECTED COFFEE**

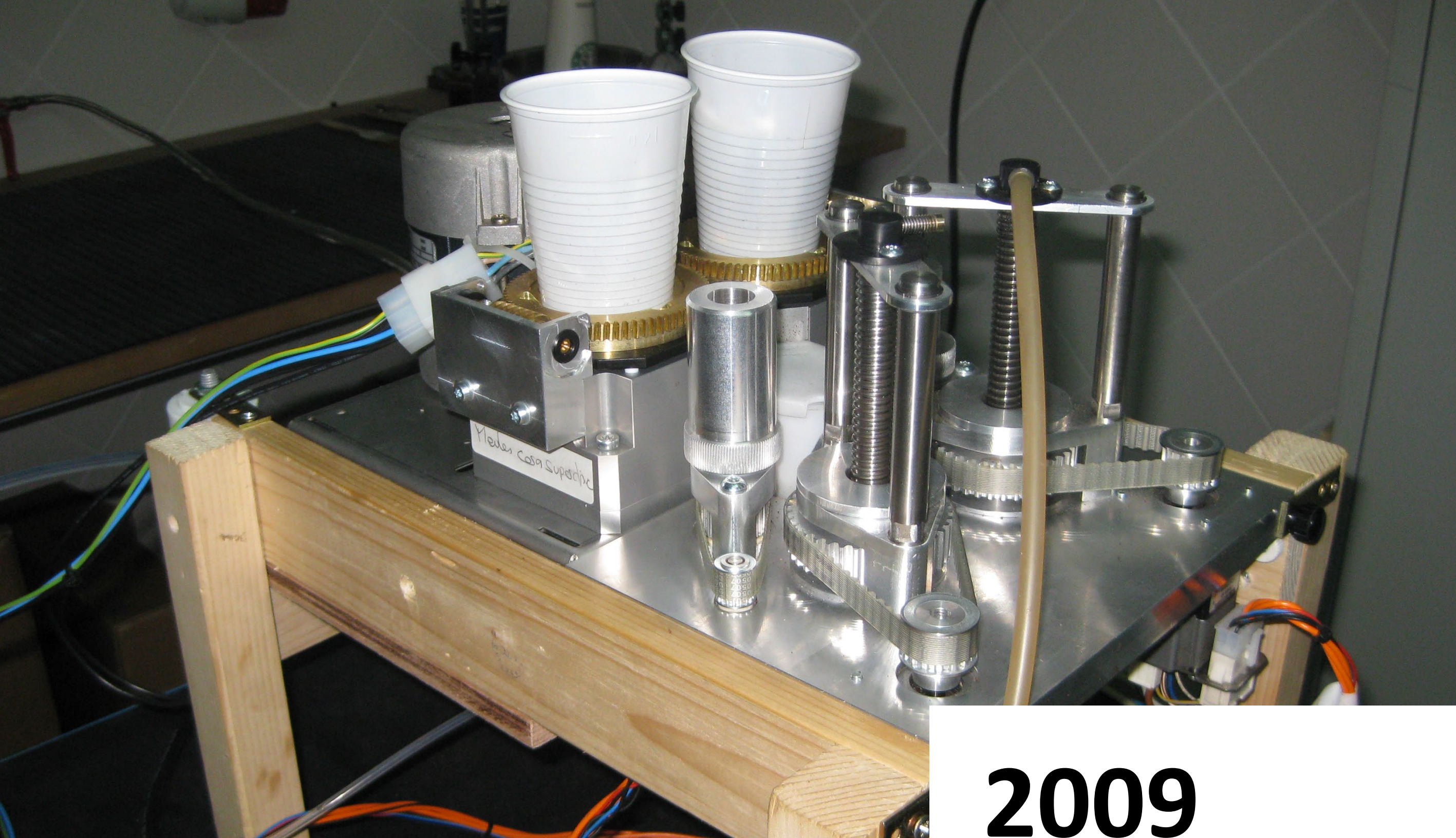




# Eversys EN BREF





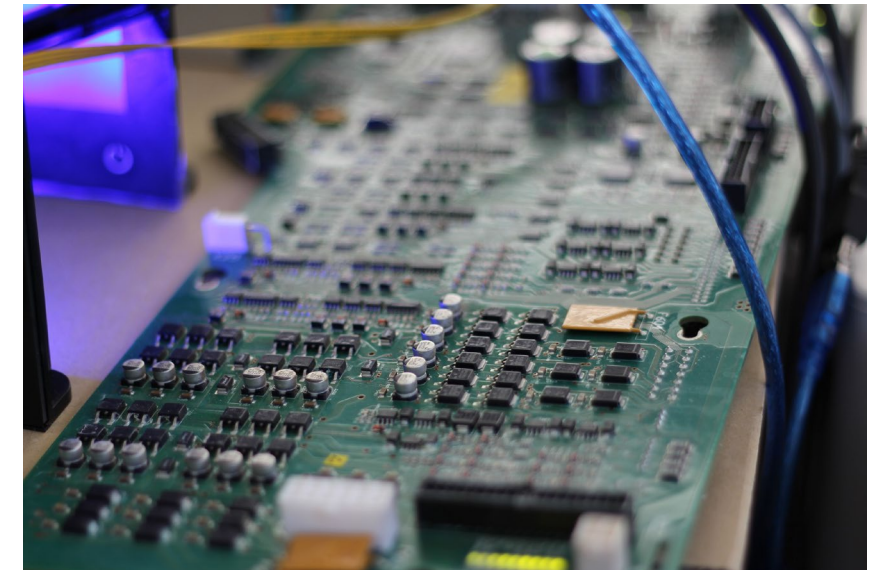


2009





2011



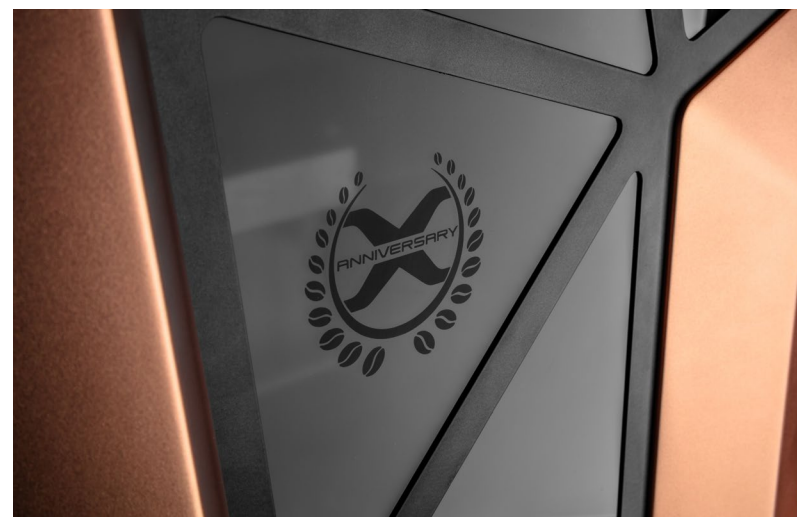




2017







2019





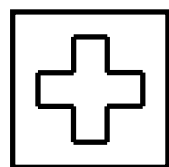
2020



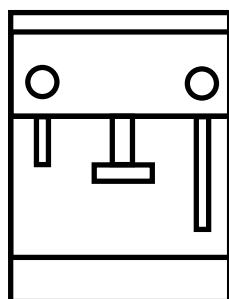




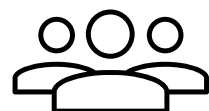
# Eversys AUJOURD'HUI



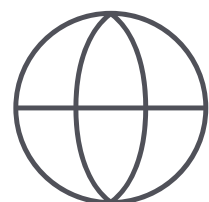
› Manufacturé en Suisse



› 10,000 machines vendues



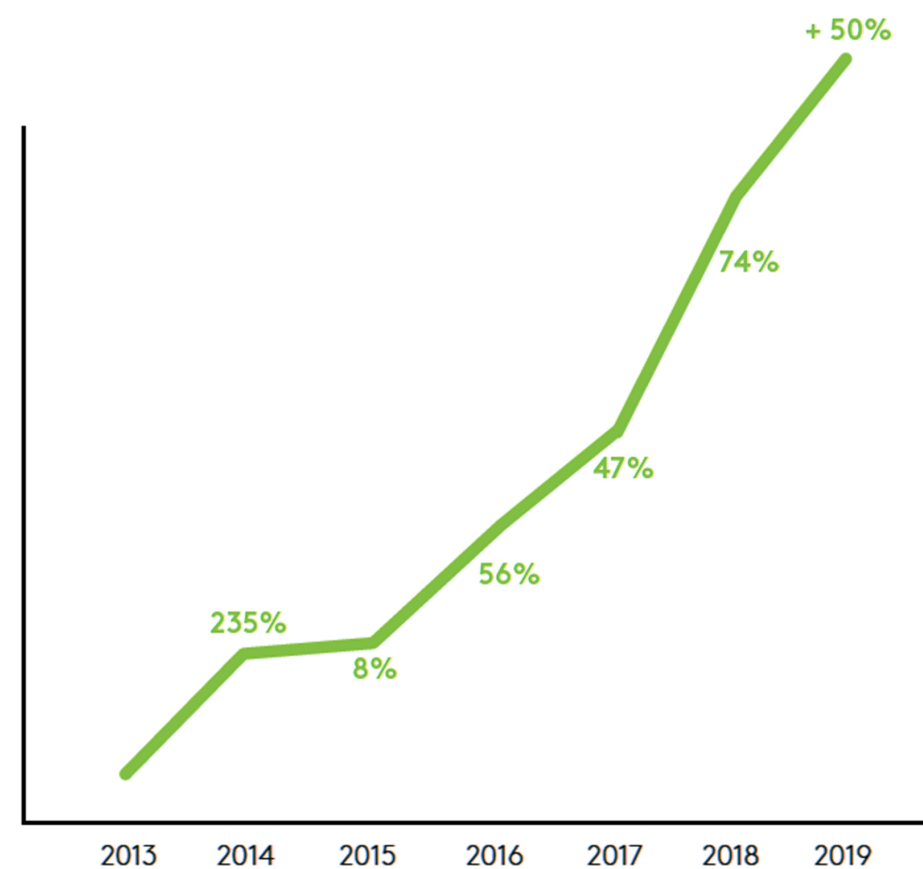
› 165 collaborateurs



› 97% exportation

› 51 pays

› 5 continents

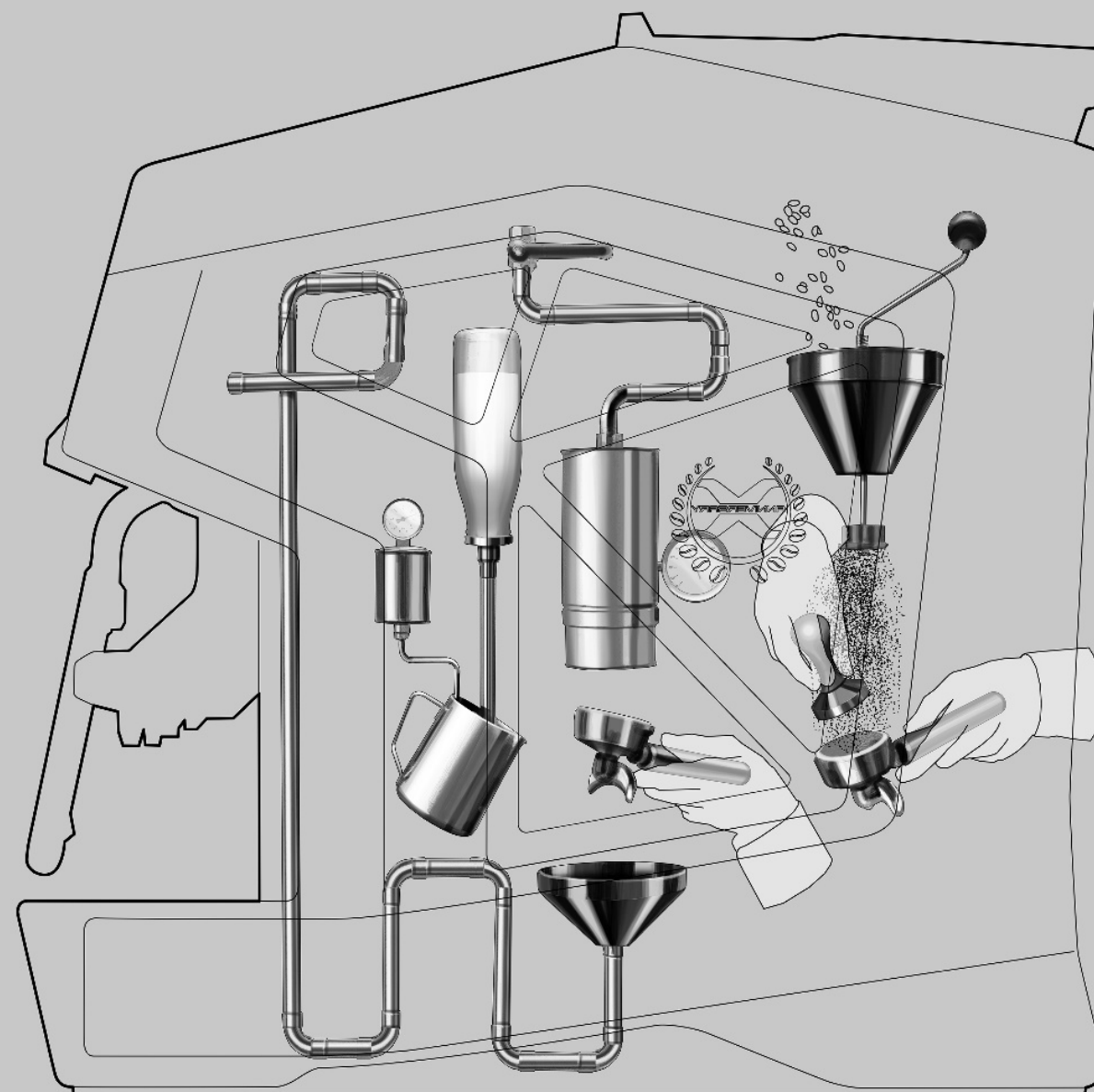






## Philosophie E'BARISTA SYSTÈME

- › Connaissance du café
- › Reproduction des gestes du Barista
- › Maîtrise des processus
- › 100% des réglages à travers le logiciel
- › Sans compromis sur la qualité
- › Fiabilité



*true espresso with a touch*





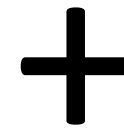
# Connectivité







**Stratégie 4.0  
2009**

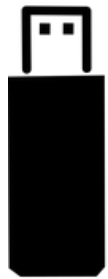


**Stephan Zink**





## Première machine 2011



- › USB pour mise à jour software et transfert données
- › Analyse des données avec Excel
- › Introduction de la Télémétrie



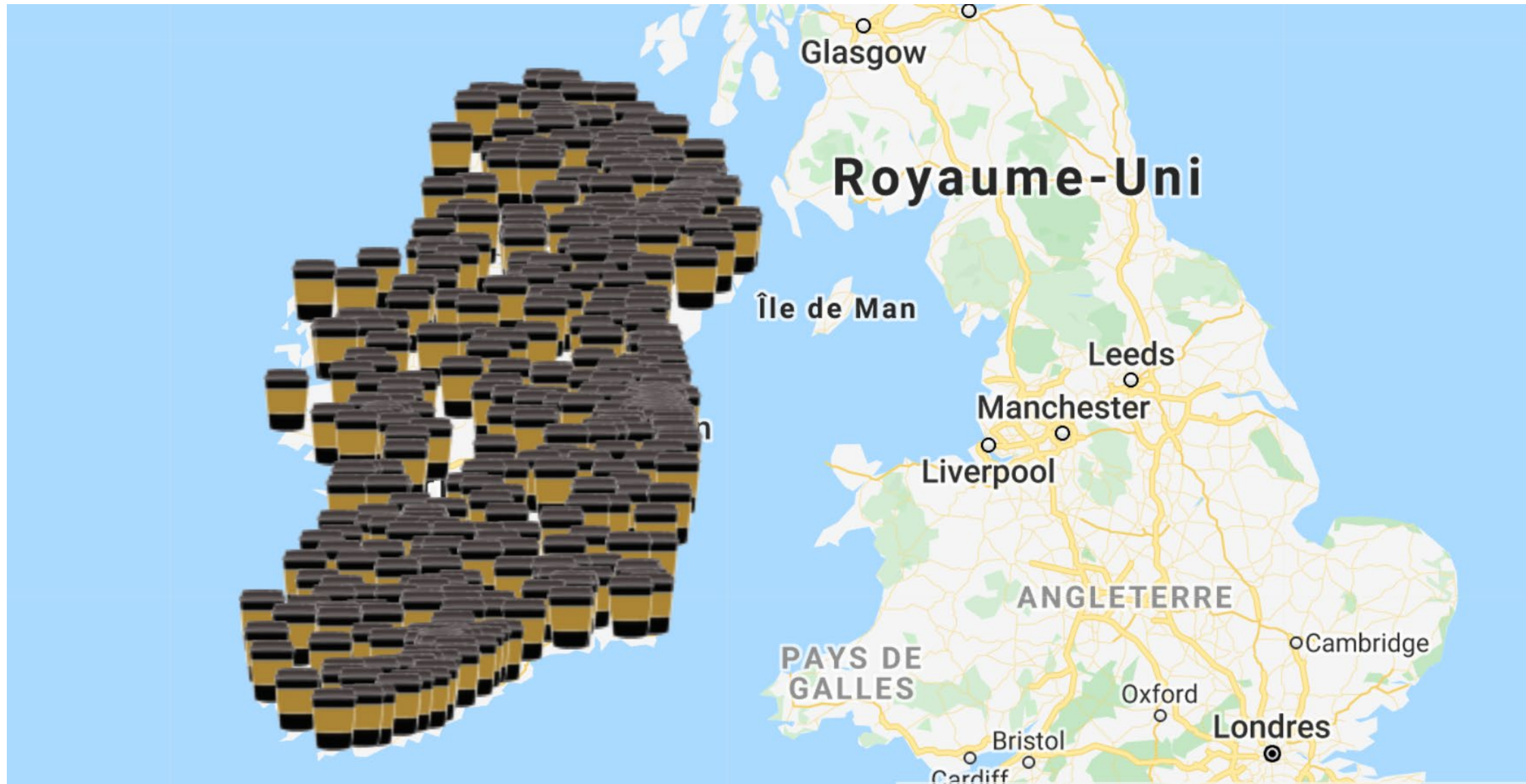
Outil de développement clef







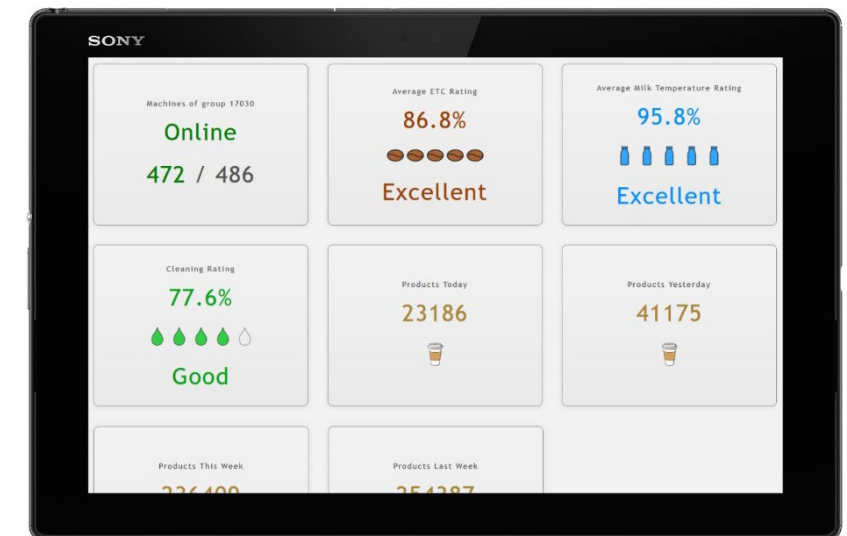
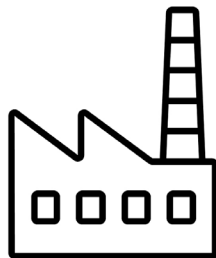
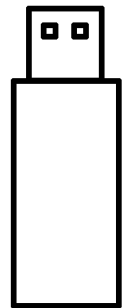
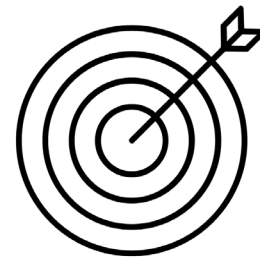
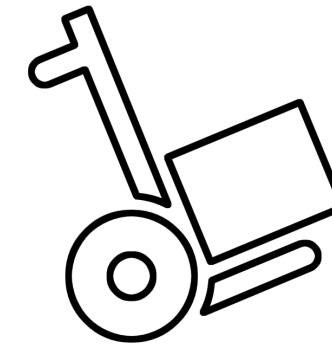
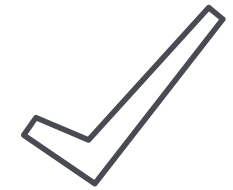
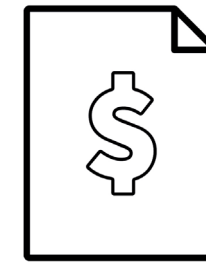
## Premier déploiement à grande échelle 2016



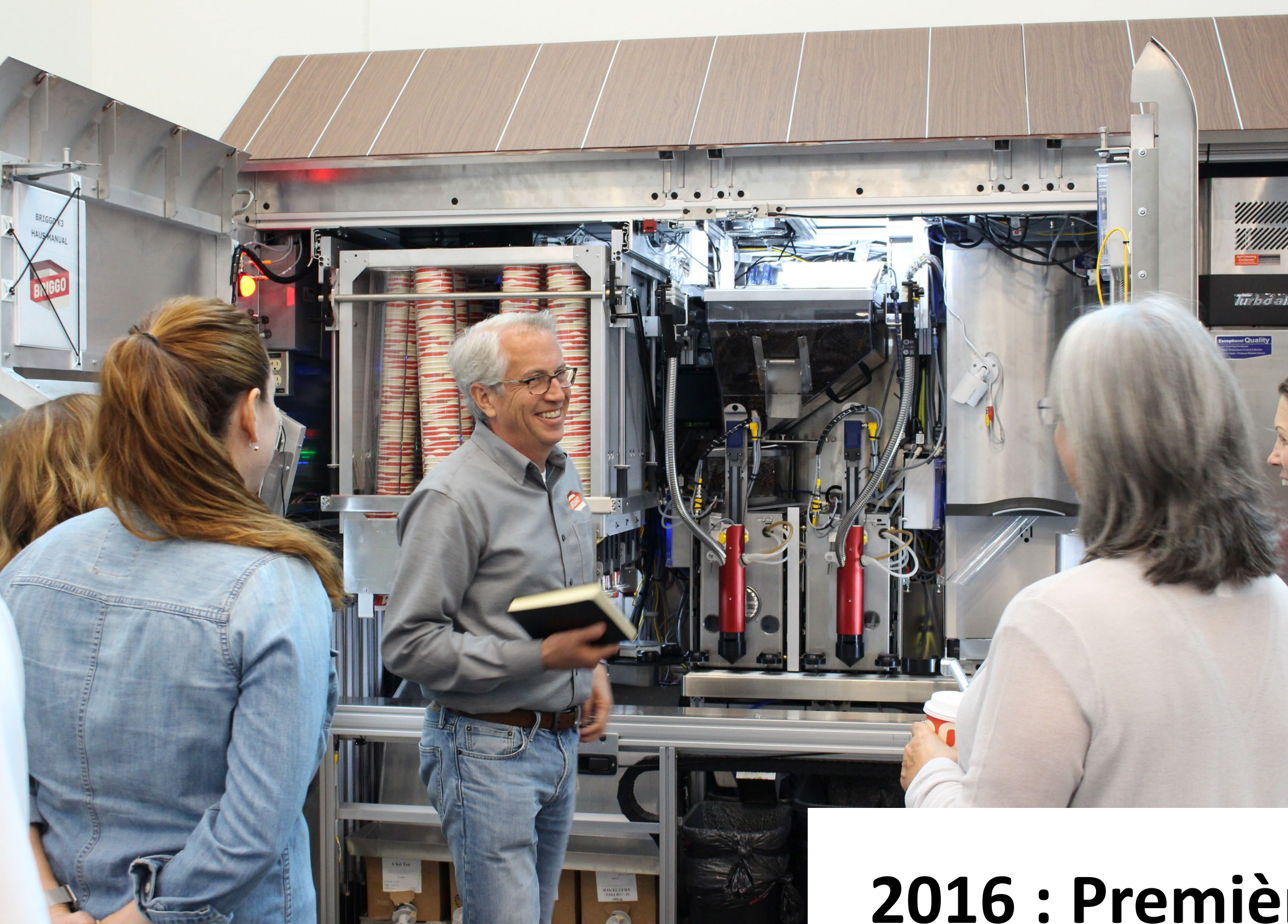




x 765







**2016 : Première API**



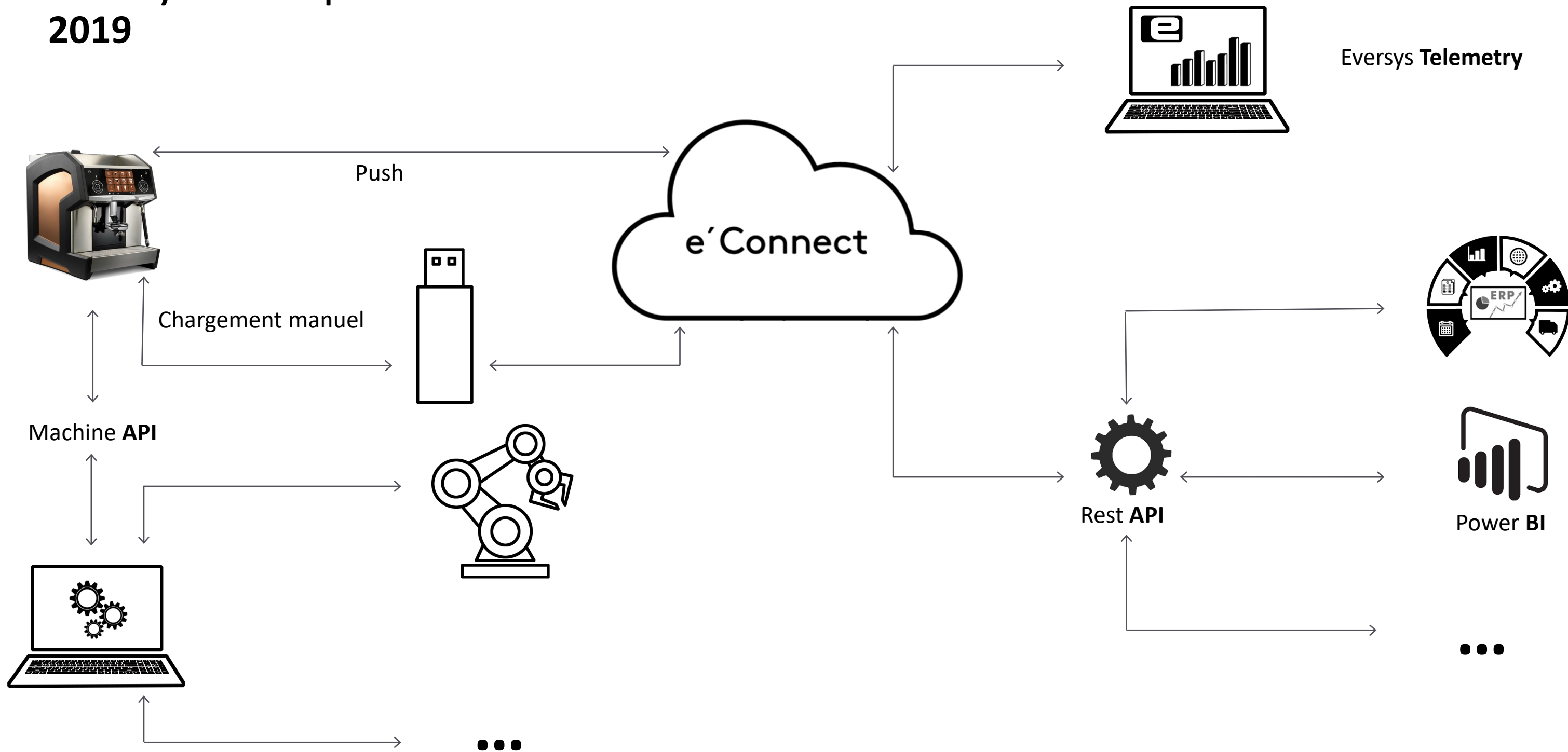


**> 15 projets en cours**





# Un écosystème complet 2019







DECEMBRE 2019 (SEULEMENT...)



**15 109 475**

Produits

**906 568**

Litres de Café

**4 029**

Barriques





# Télémétrie LOG

> Lier erreurs, produits,...

> 29 paramètres mesurés

- 🕒 Histories
  - 🧼 Cleaning History
  - ⚠️ Error History
  - ⚡ Event History
  - 🔄 Fusion History
  - 📄 Info Message History
  - ☕ Product History
  - 🚰 Rinse History
  - 🔧 Service History

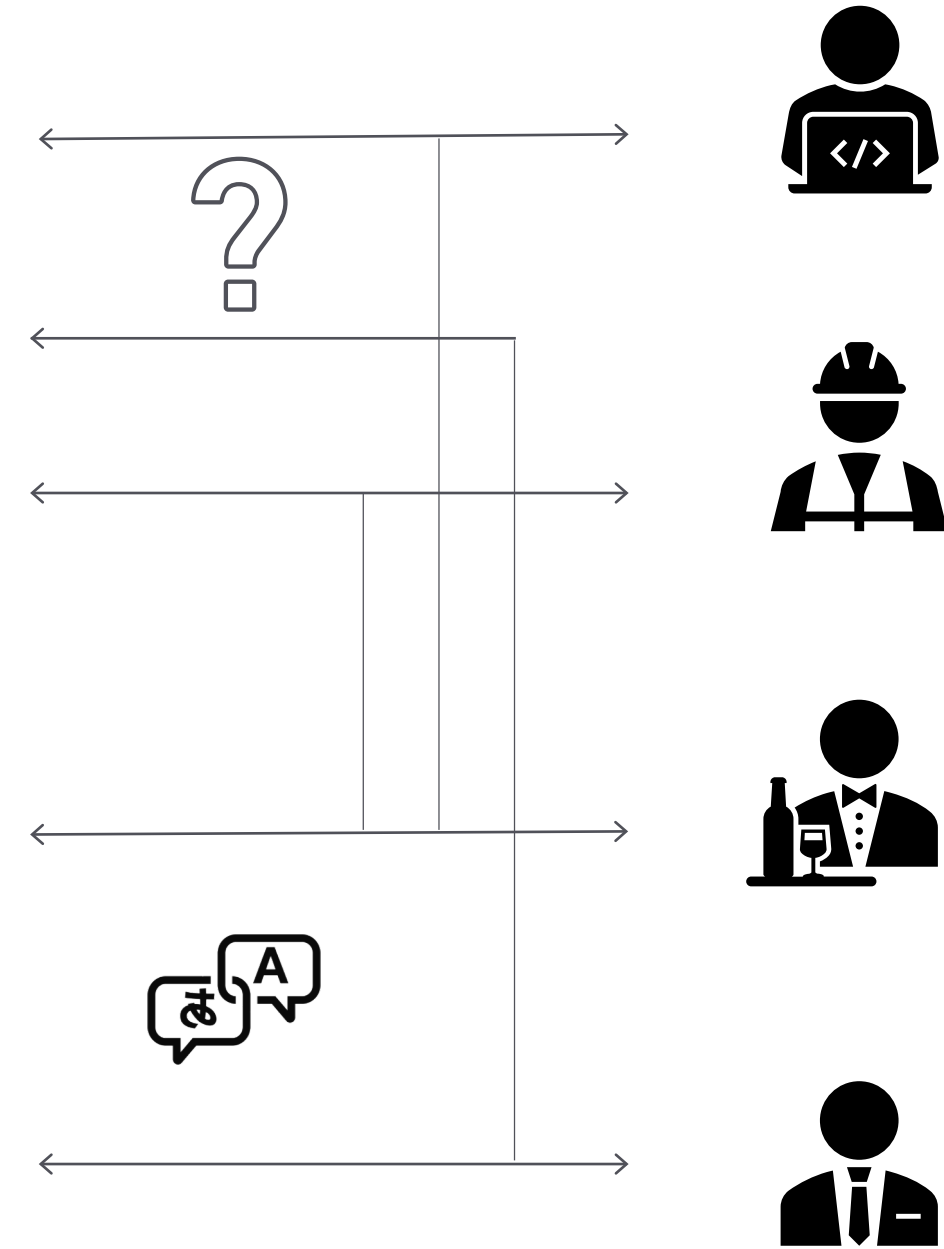
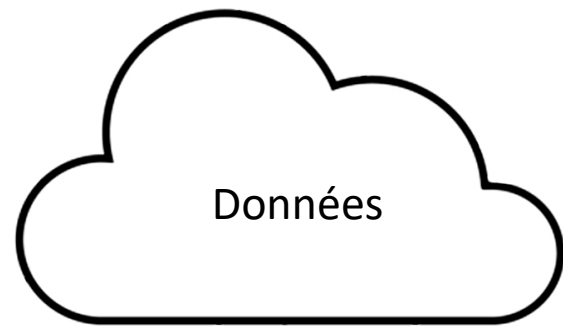
> Visible & cachée

> Auto + Manuel





# Télémétrie DONNÉES







# Maintenance PRIORITÉS

Erreurs visibles

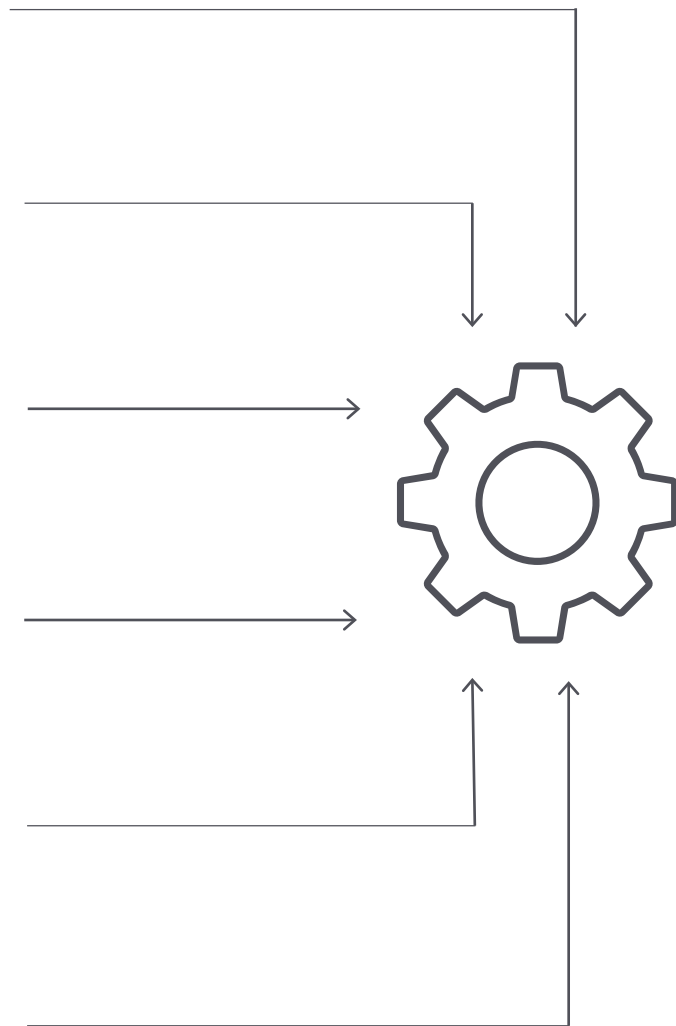
Erreurs cachées

Compteur service

Stabilité Produit

Nettoyage

Fréquence ?



Machine Info	Urgency	Front	Rear	Water	Filter	Wash
<b>Machine 1675</b> Sligo e'2m 1711061 V1.23	10 2020-01-22 08:09:11, W-075, Extraction time left too high 2020-01-22 07:38:43, S-016, Cleaned without cleaning balls 2020-01-22 06:24:05, S-016, Cleaned without cleaning balls 2020-01-21 21:43:17, S-016, Cleaned without cleaning balls	87.7%	79.3%	87.0%	182 days	182 days
<b>Machine 7451</b> Cork e'2m 1903030 V2.24	7 2020-01-21 13:39:17, Login Technician	75.8%	74.8%	98.3%	45 days	43 days
<b>Machine 1126</b> Dublin e'4m 1643005 V1.23	7 2020-01-22 07:26:29, W-014, Please change the water filter	86.4%	81.9%	96.1%	0 days	93 days
<b>Machine 1264</b> Cork e'2m 1647025 V1.23	7 2020-01-22 08:38:32, W-075, Extraction time left too high 2020-01-22 07:58:54, W-075, Extraction time left too high 2020-01-22 07:58:39, W-004, Water flow left too low 2020-01-22 07:54:44, W-004, Water flow left too low 2020-01-22 07:49:20, W-004, Water flow left too low 2020-01-22 07:29:57, W-004, Water flow left too low 2020-01-22 07:19:51, W-054, Milk pump left doesn't run 2020-01-21 20:22:23, W-054, Milk pump left doesn't run 2020-01-21 20:13:35, W-054, Milk pump left doesn't run	74.1%	65.1%	95.2%	28 days	28 days
<b>Machine 7125</b> Galway e'2m 1846055 V2.24	7 2020-01-22 08:47:43, W-022, Bottom piston failure left 2020-01-22 07:54:50, W-022, Bottom piston failure left 2020-01-21 19:27:33, W-013, Service necessary 2020-01-21 15:53:45, W-022, Bottom piston failure left 2020-01-21 15:30:09, W-022, Bottom piston failure left 2020-01-21 12:13:13, Login Technician	89.1%	85.1%	94.9%	1 days	0 days





# Maintenance ACCÈS À DISTANCE

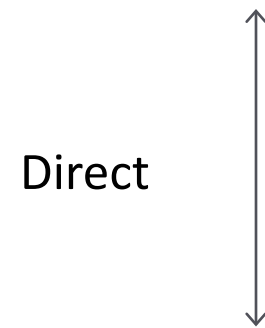
- Adaptation Recette
- Mise à jour Publicité (screensaver)
- Dépannage à distance
- Mise à jour Logiciel

The screenshot shows the Euronet Telemetry interface for a coffee machine. The top navigation bar includes 'MENU', 'Telemetry', and the machine name 'c'2 Ecurie Cameo (Verbier, Machine suivie JBE)'. A sidebar on the left contains menu items: 'List Machines', 'Machine Info', 'Statistics', 'Histories', 'Remote Access' (highlighted), 'Services', and 'User'. The main content area is titled 'Remote Access' and features a 'Machine Language' dropdown and a 'Write Access' button. Below this is a large touch-screen interface for the coffee machine, displaying the date '22. Jan 2020' and time '14:55'. The screen shows a grid of coffee options: 'Café allongé', 'Rinçage', 'Ristretto', 'Espresso', 'Café', 'Eau chaude', '2x Ristretto', '2x Espresso', '2x Café', and 'Mousse lait'. A 'Refresh' button and 'Last Refresh: 14:55:24' are visible. Below the screen is a status bar showing 'ONLINE' and a diagram illustrating the remote access process: (1) Local changed parameters, (2) Machine update, (3) Machine status. A message box indicates '(1) Local changed parameters' and 'No changes made'. A disclaimer at the bottom states: 'This isn't a live stream or snapshot of the display. And there may be small differences to the original view.'

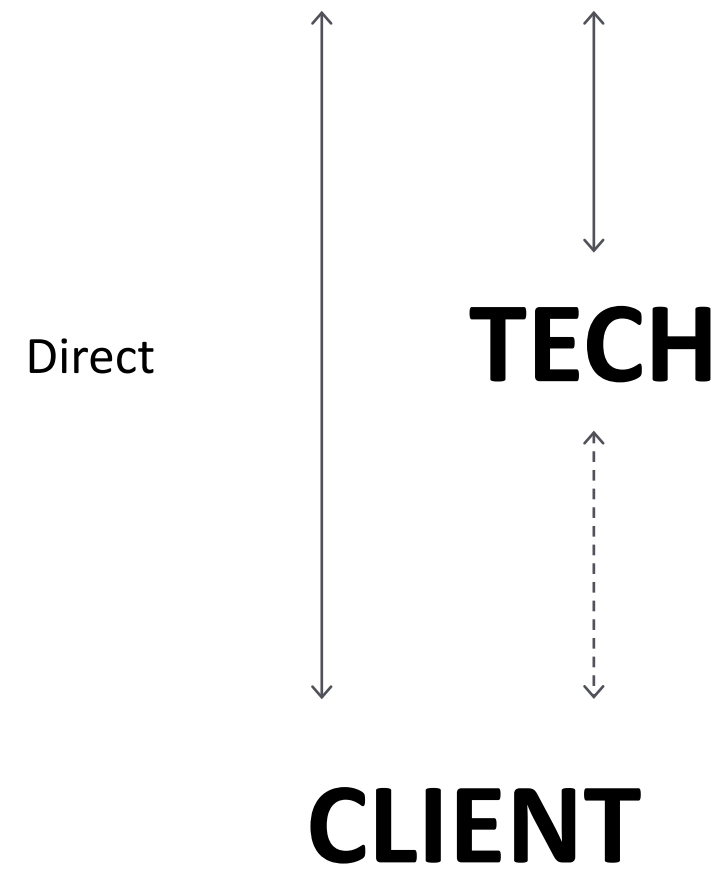




CLEFS



**e**VERSYS R&D



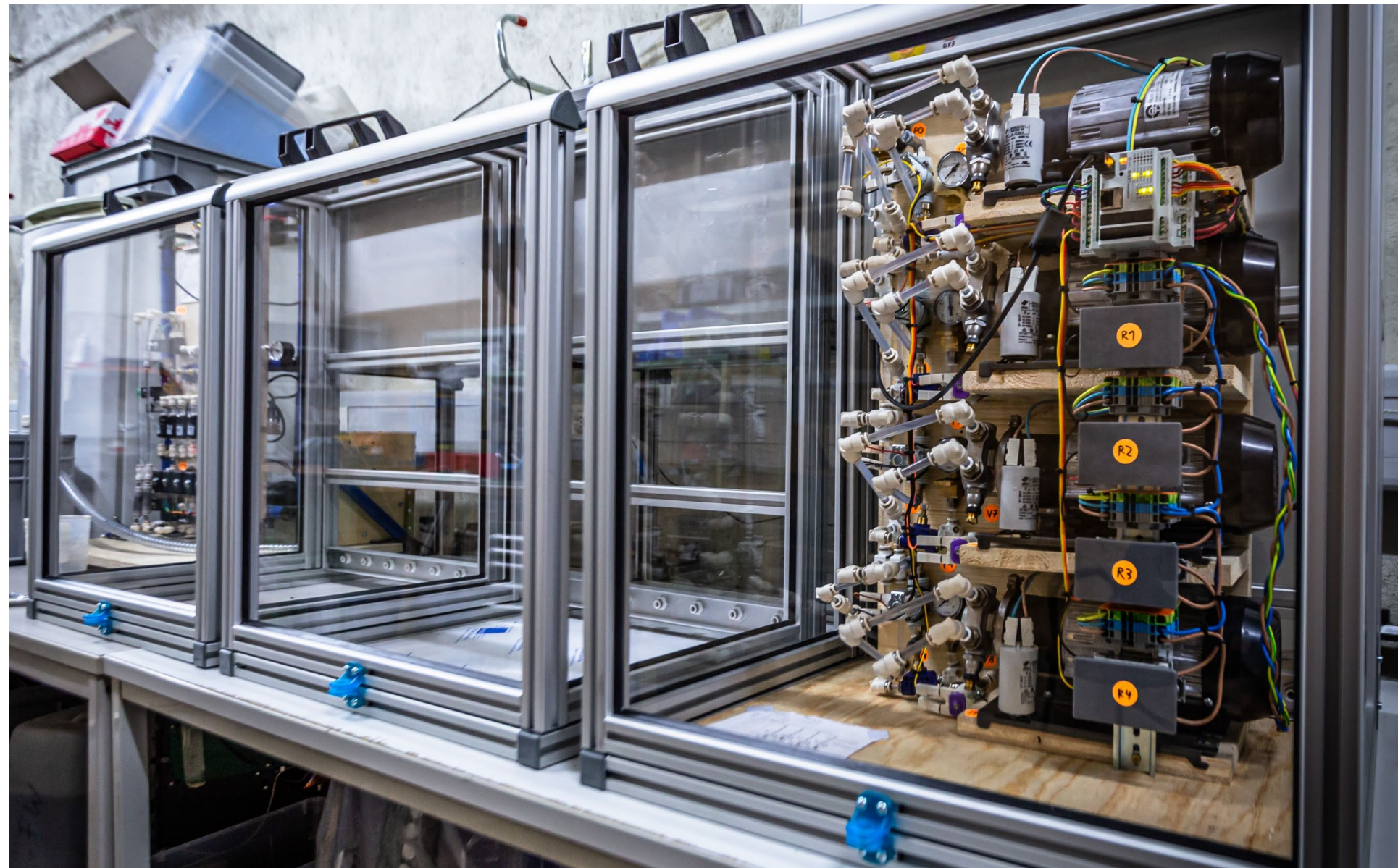


Connected R&D





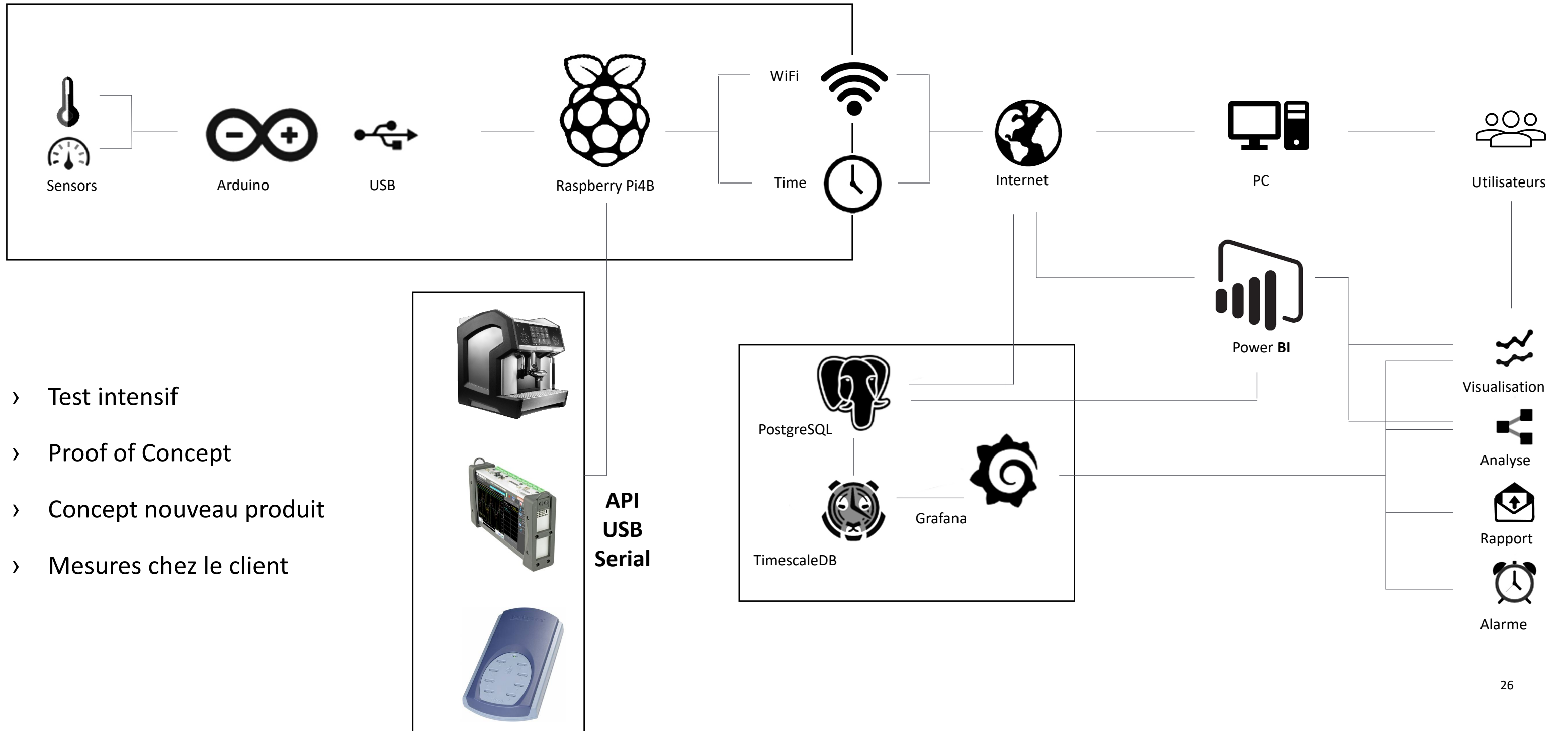
## BANC D'ESSAIS 4.0







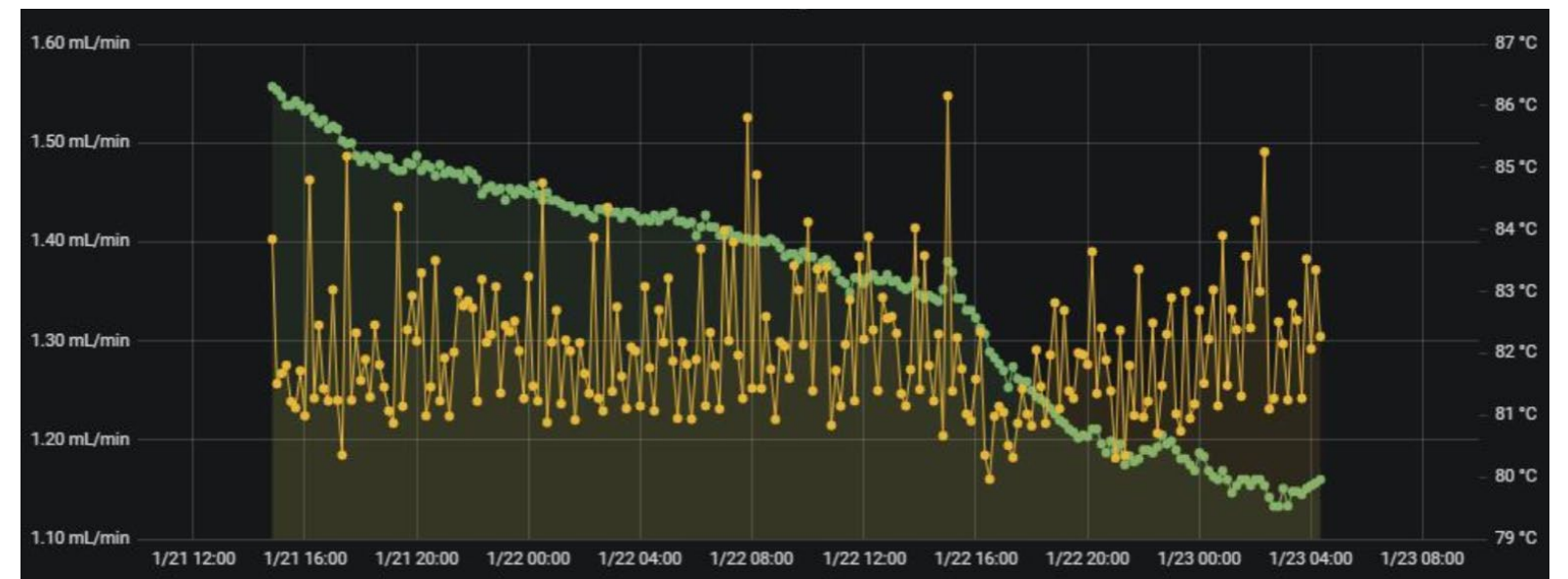
# ACCÈS ET TRAITEMENT DES DONNÉES







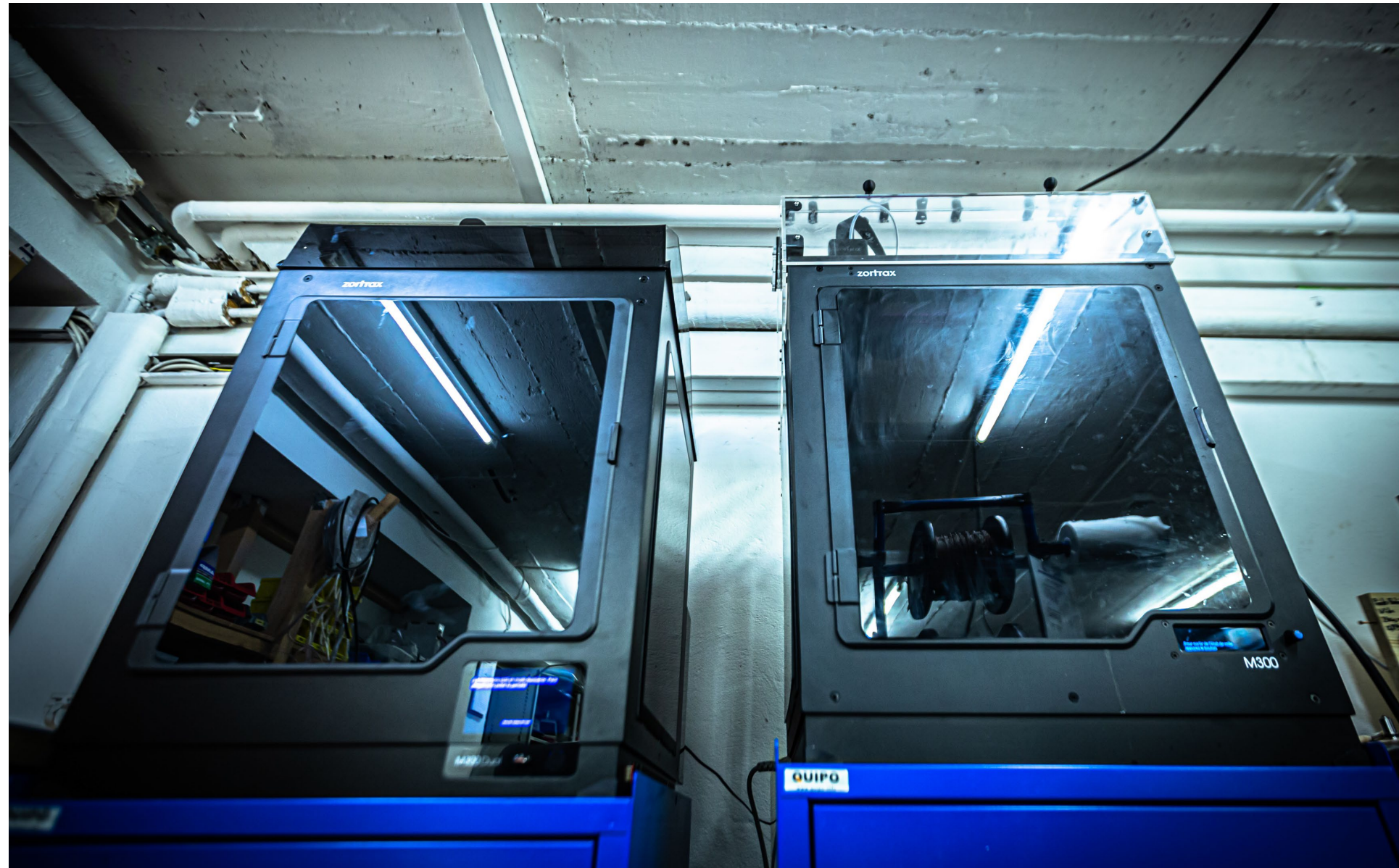
# TABLEAU DE BORD ET ALARME







## IMPRESSION 3D

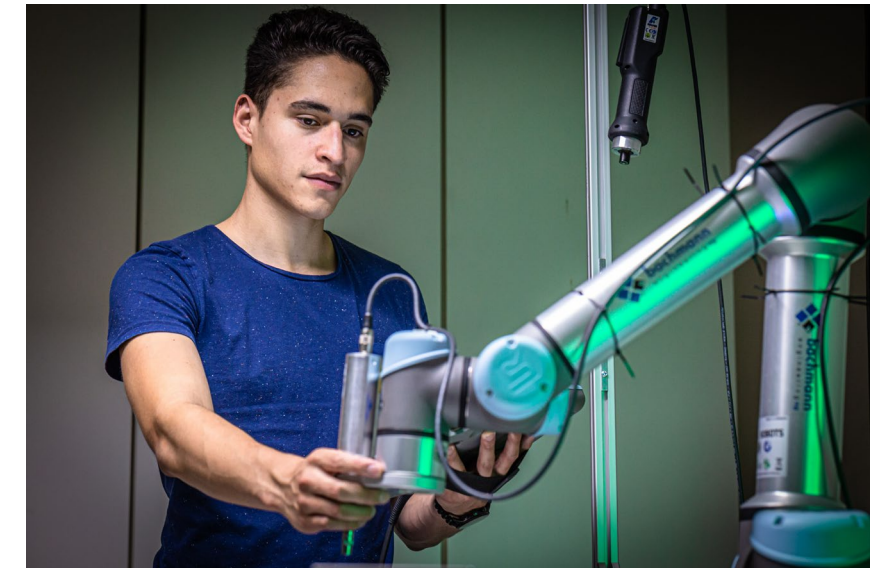
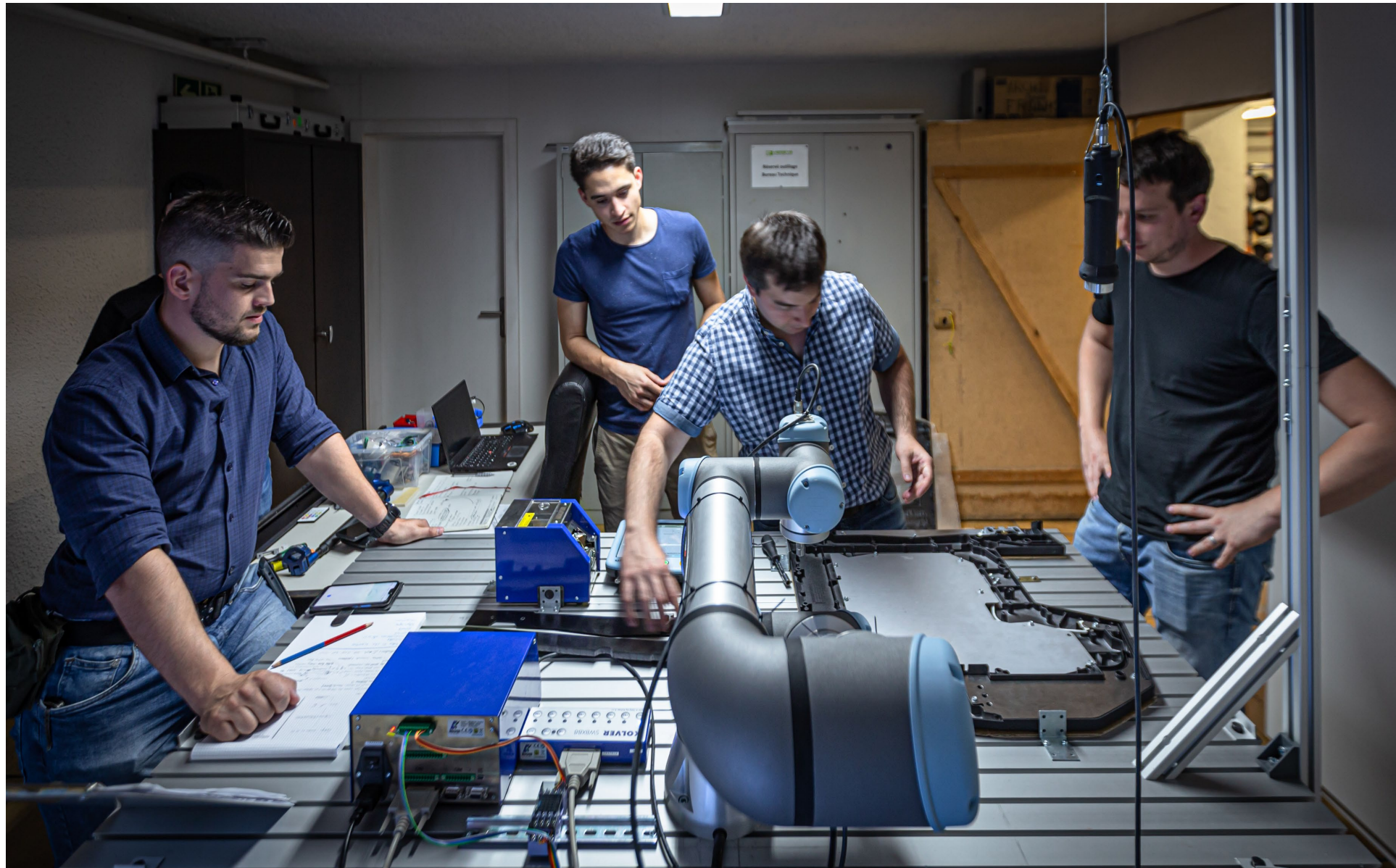


- › 95% des impressions en interne
- › Self-service
- › < 24h
- › Développement continu
- › Itération ultra rapide





## ROBOT COLLABORATIF



- › Tests intensifs
- › Plateforme de développement
- › Validation concept de production
- › ...
- › A disposition





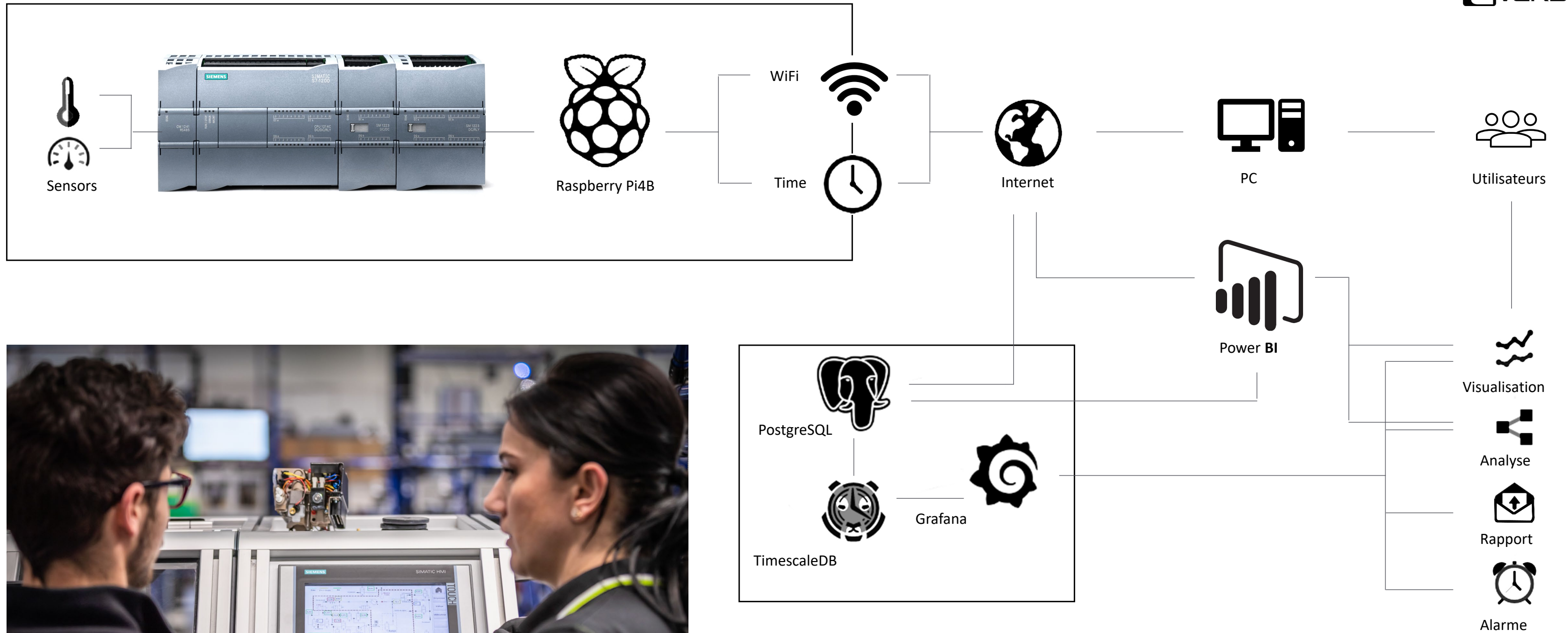
# DESIGN







# Connected Production

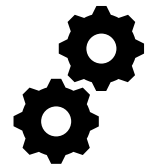


# Test modules et composants





# TEST FINAUX



← API  
bas niveau →



- Sans entrée manuelle
- Log automatique et traçabilité
- Motivation des employés
- Réduction temps de test



# OUTILS SIMPLES À DISPOSITION

