

## PARROT AWARDS 2014

Noémie Bristol - Gleison Storto  
Yann Le Guen - Valeh Valiollahpour Amiri

---

# POURQUOI ?

# Avant : DCC (Digital Command Control)

---

- Norme internationale pour les trains
- Communication unidirectionnelle
- Beaucoup de fils

# Maintenant : BLE (parce que c'est mieux)

---

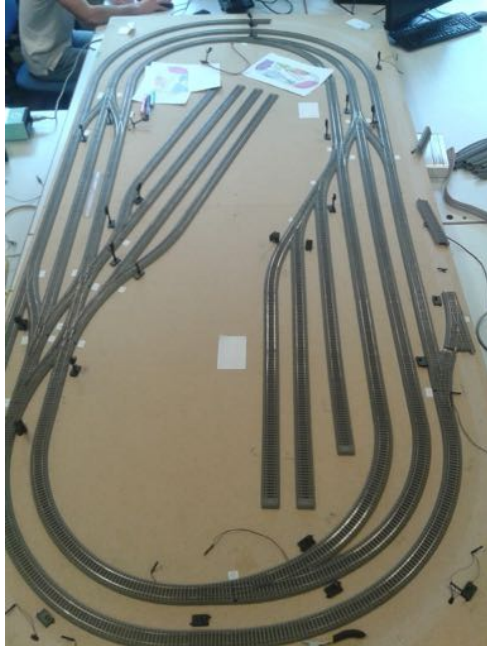
- Communication bidirectionnelle
- Protocole plus répandu
- Sans fil

---

# LE CIRCUIT

# Le circuit

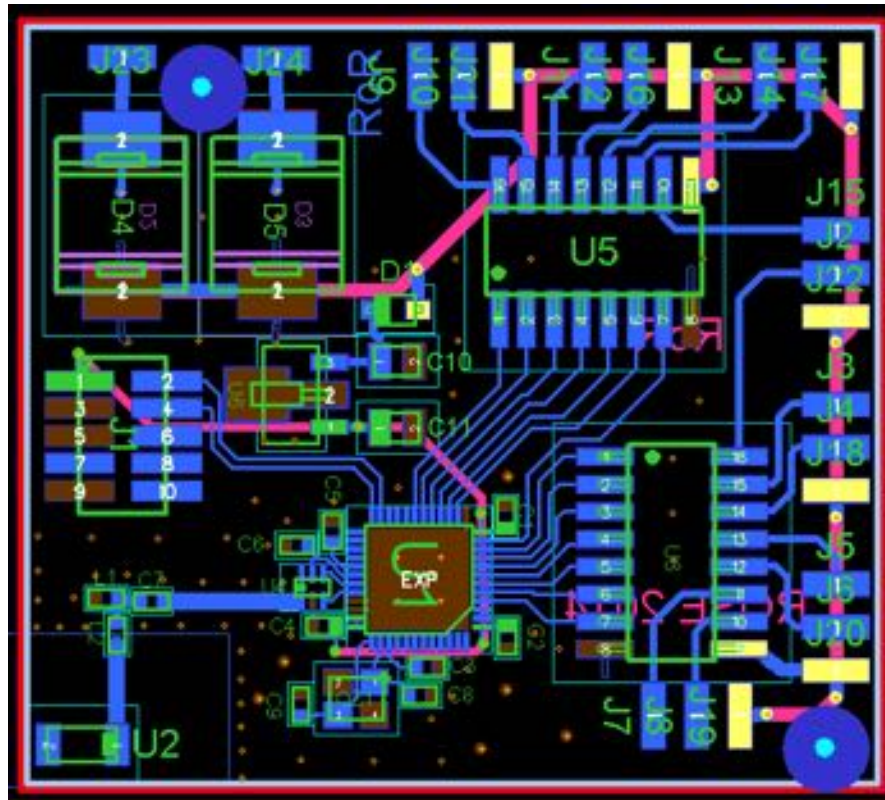
---



---

# HARDWARE

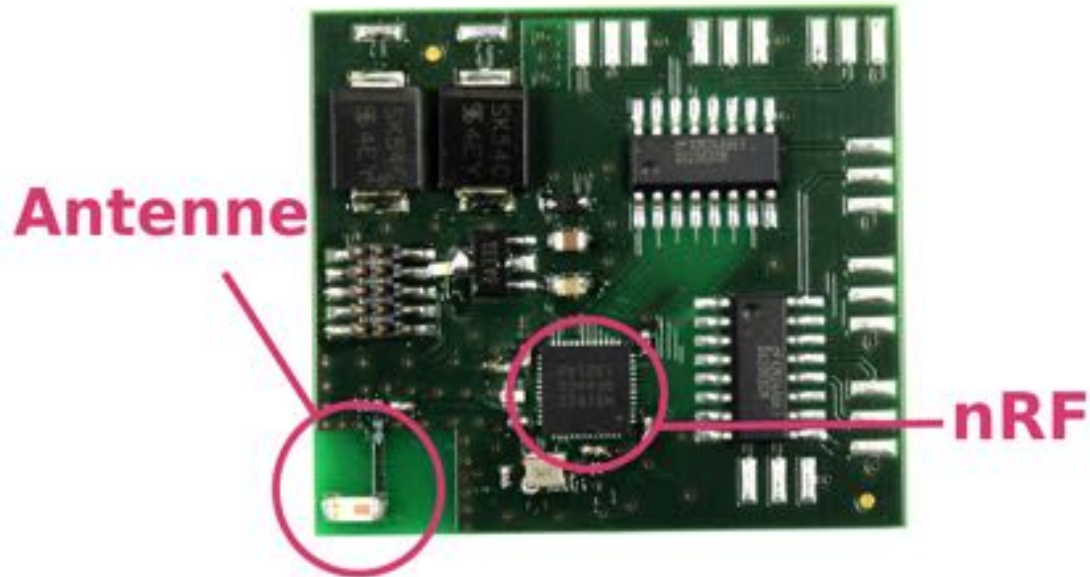
# Hardware - Les aiguillages





# Hardware - Les aiguillages

---



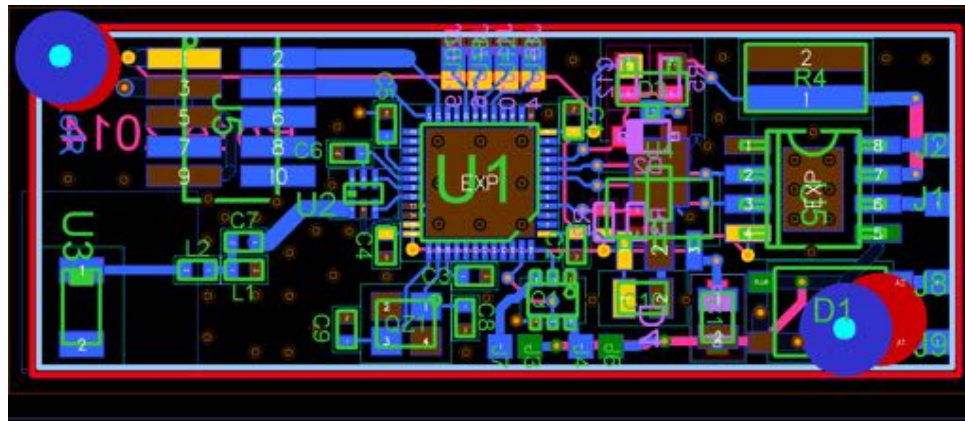
# Hardware - Les aiguillages

---



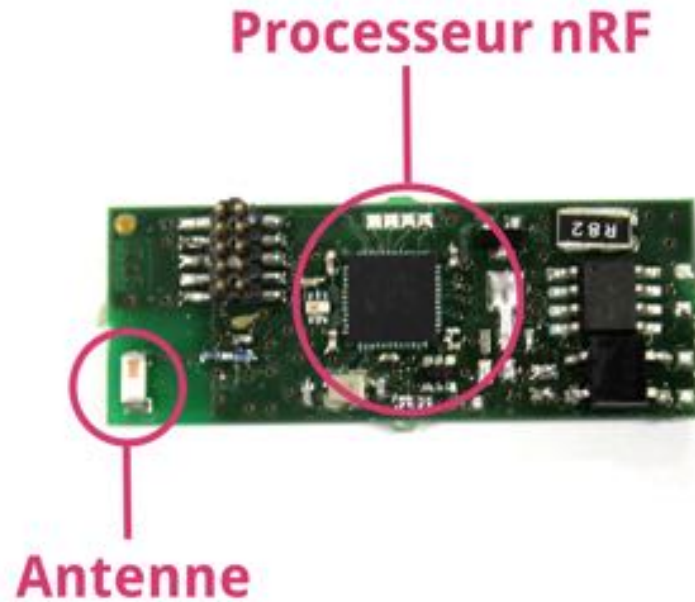
# Hardware - Les locomotives

---



# Hardware - Les locomotives

---

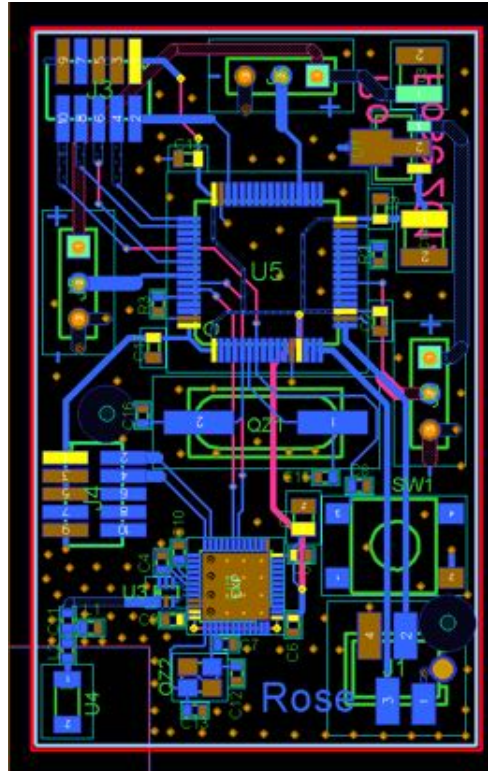


# Hardware - Les locomotives

---



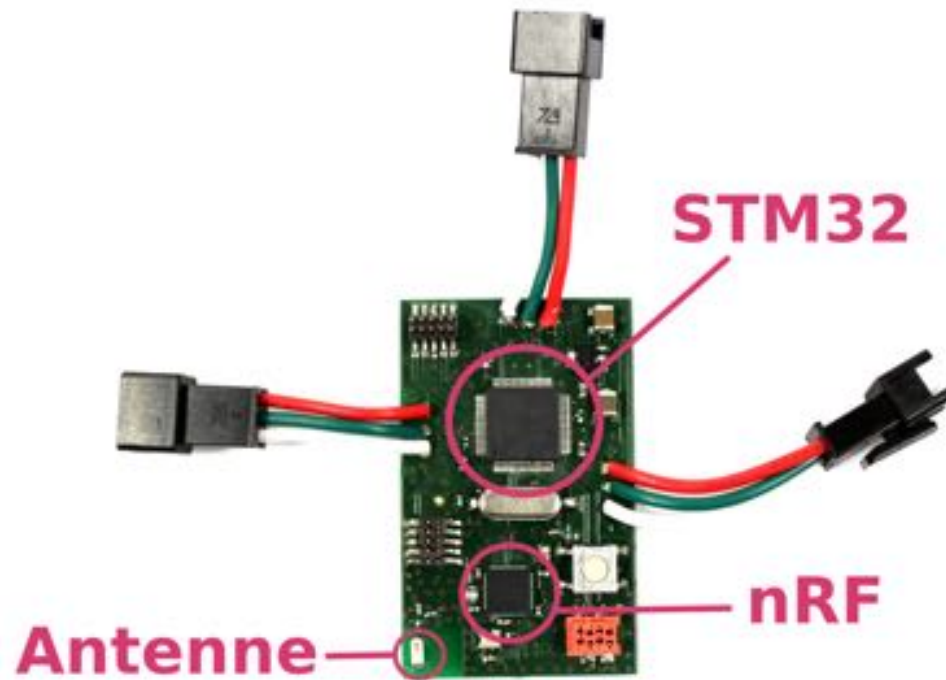
# Hardware - Les LEDs





# Hardware - Les LEDs

---



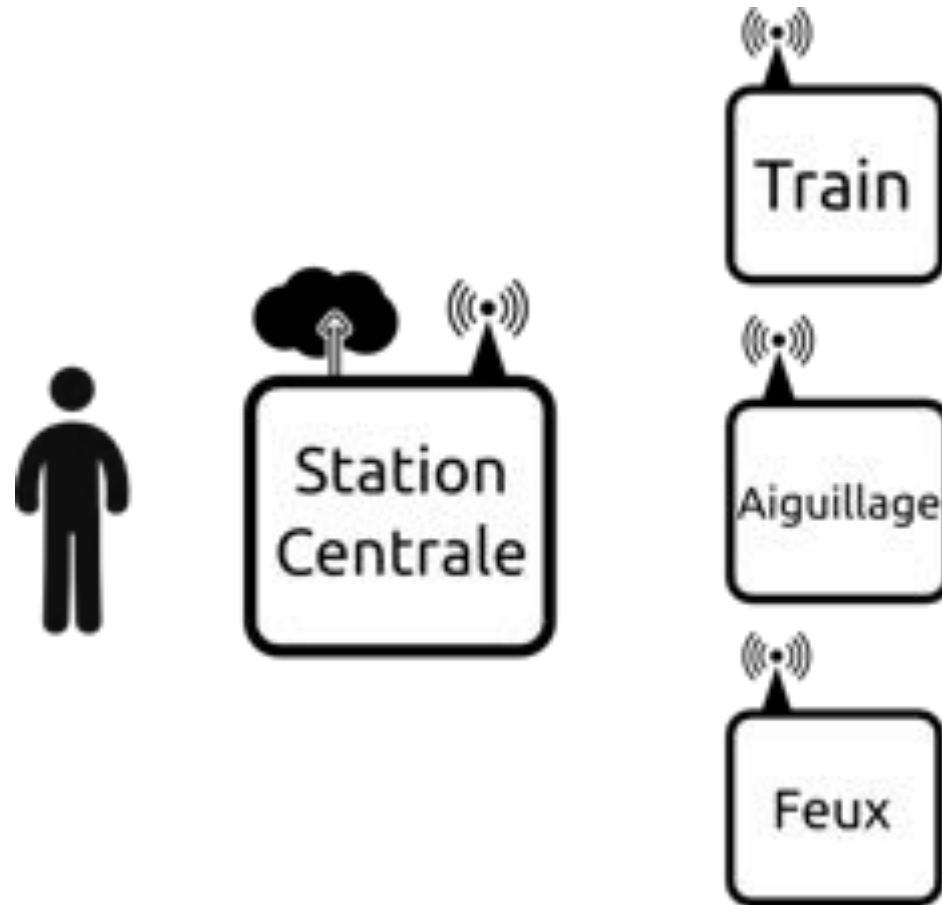
---

# SOFTWARE

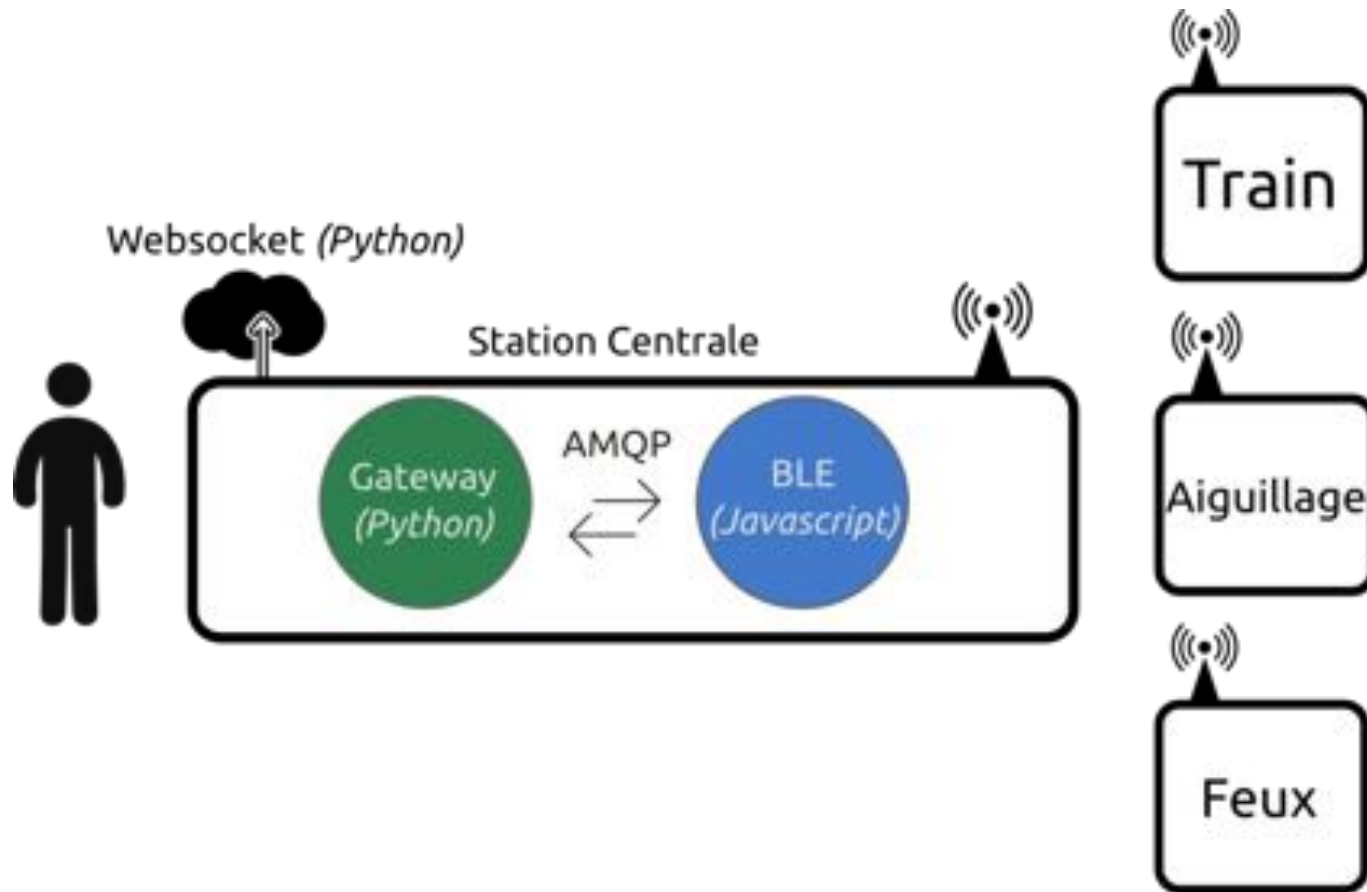


# Software - Architecture

---

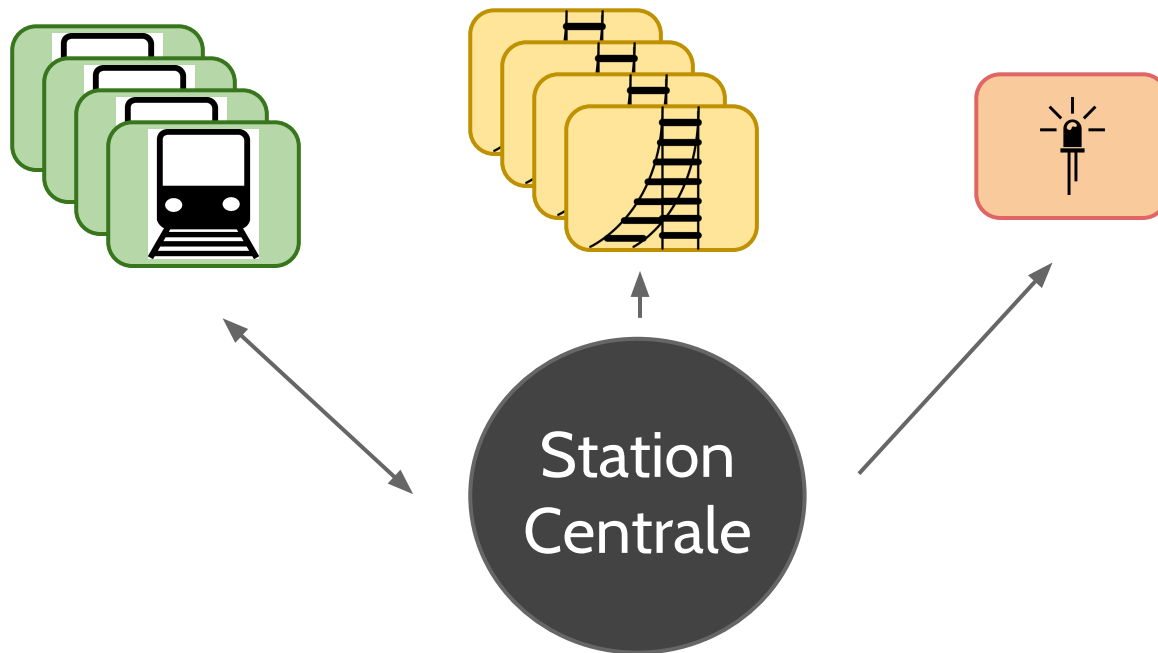


# Software - Architecture



# Software - BLE

---



# Démo !

---



# **Merci pour votre attention !**

---

