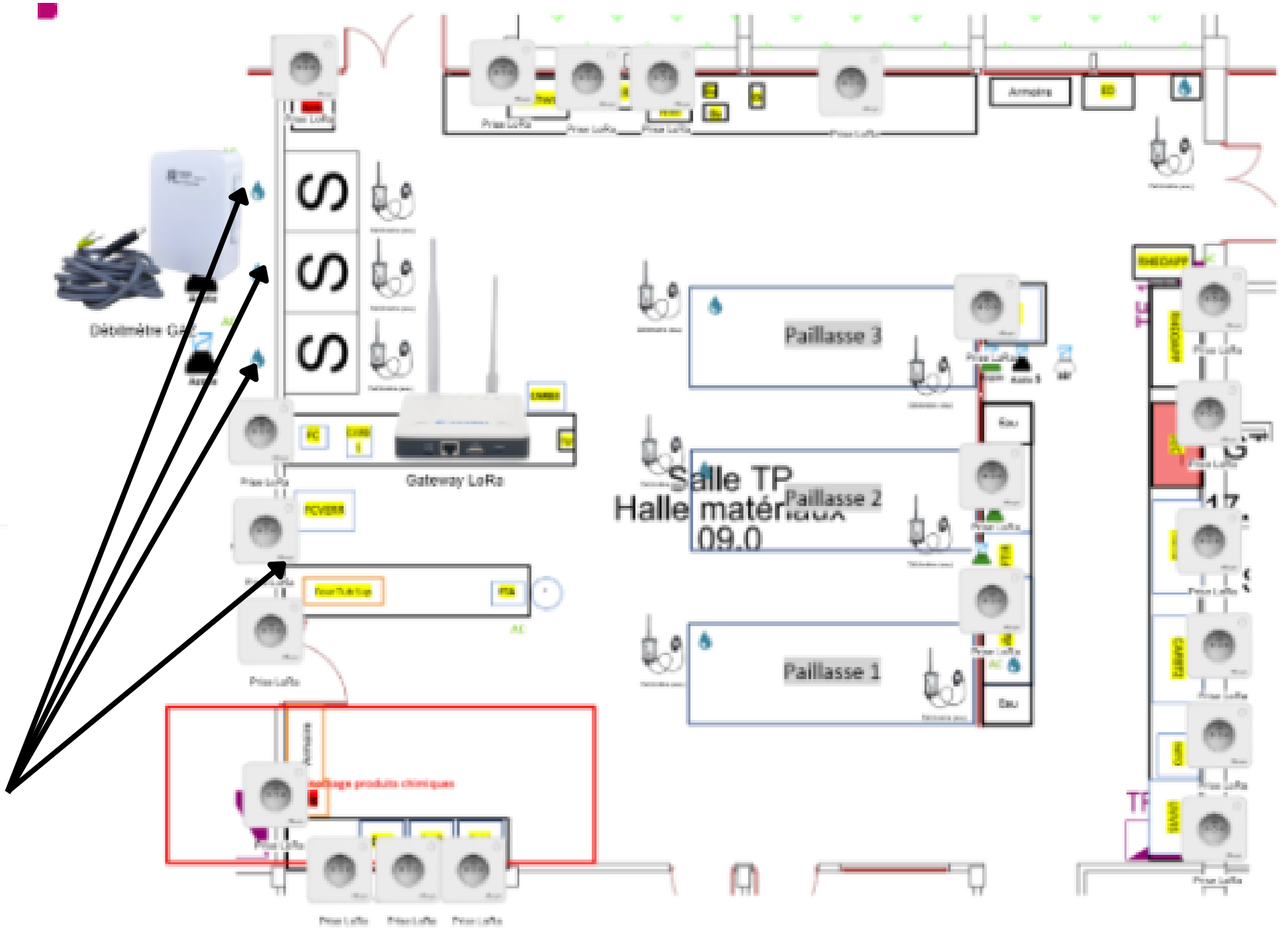
SAE POLYTECH

MESURE DES FLUX DANS UNE PLATEFORME TECHNOLOGIQUE PÉDAGOGIQUE

Capteur de débit alternative1:

DN15 capteur débit

ARF8230ARA Compteurs d’impulsion



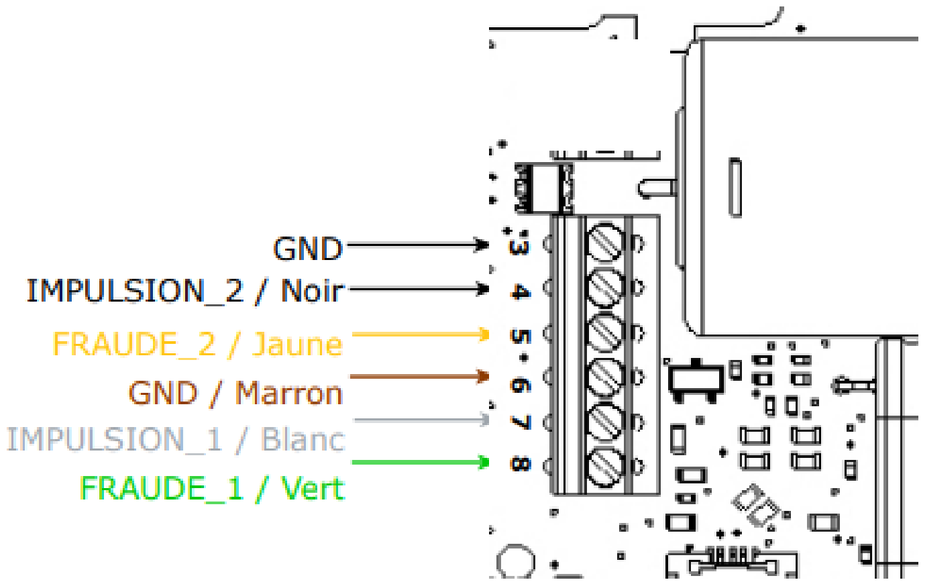
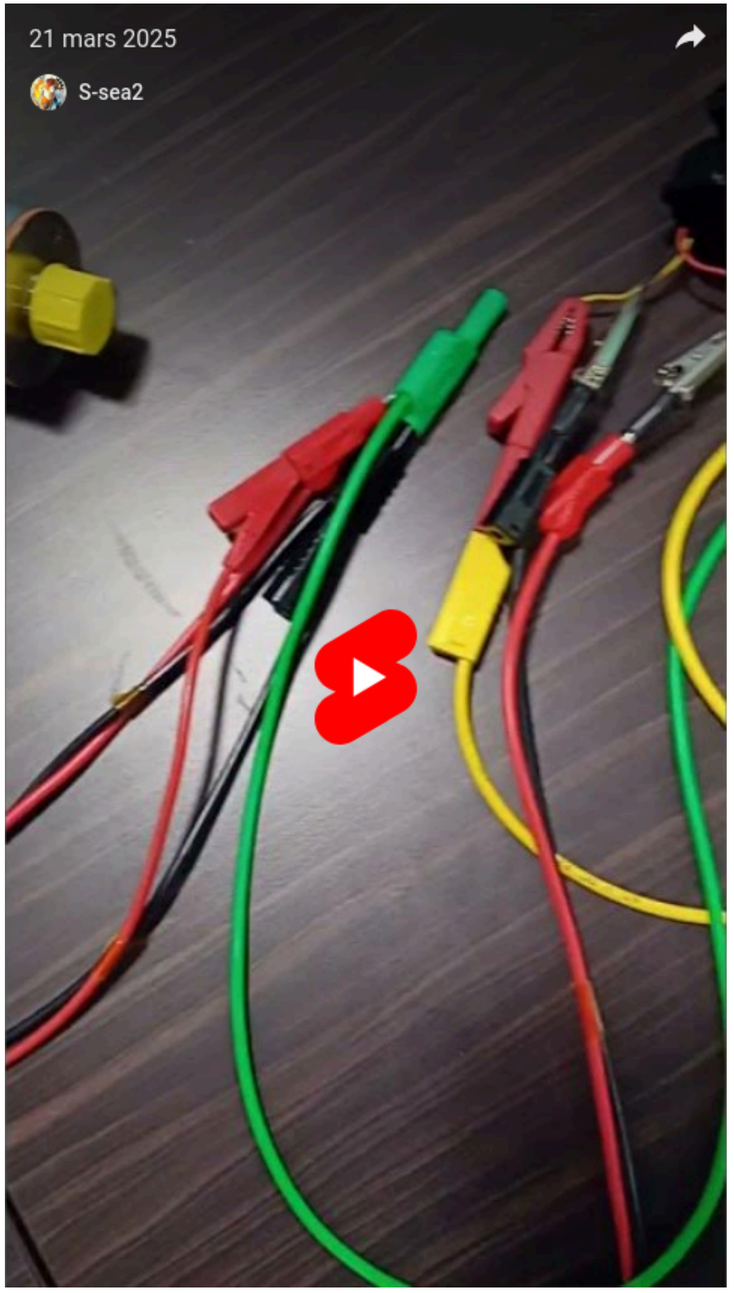


Schéma des pins du capteu de pulsation


3.663


21 mars 2025
S-sea2

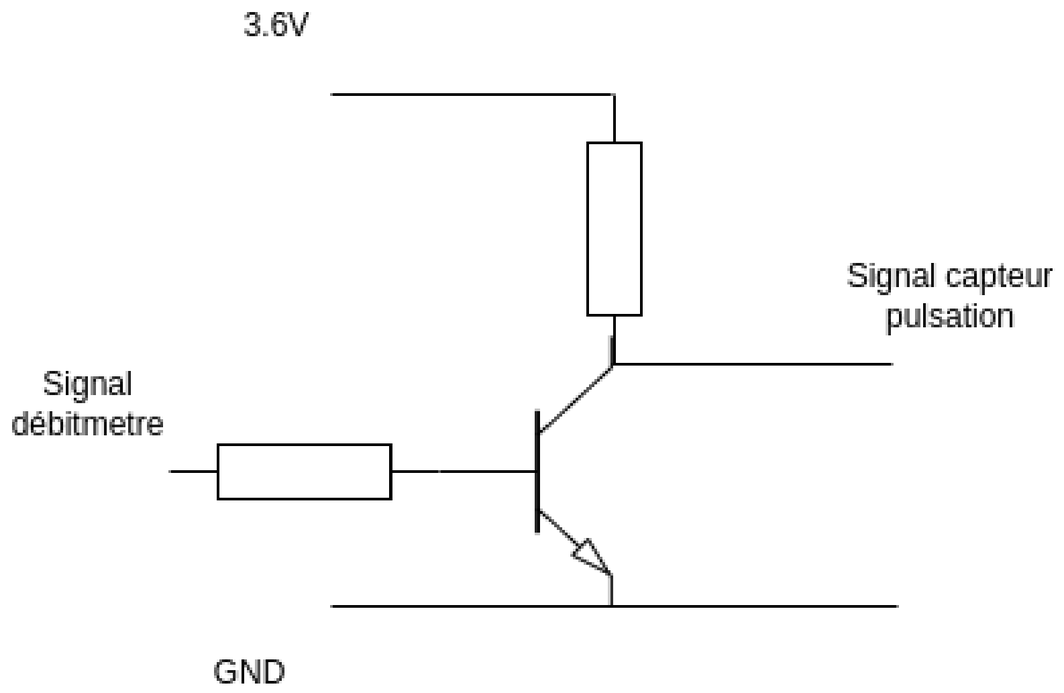
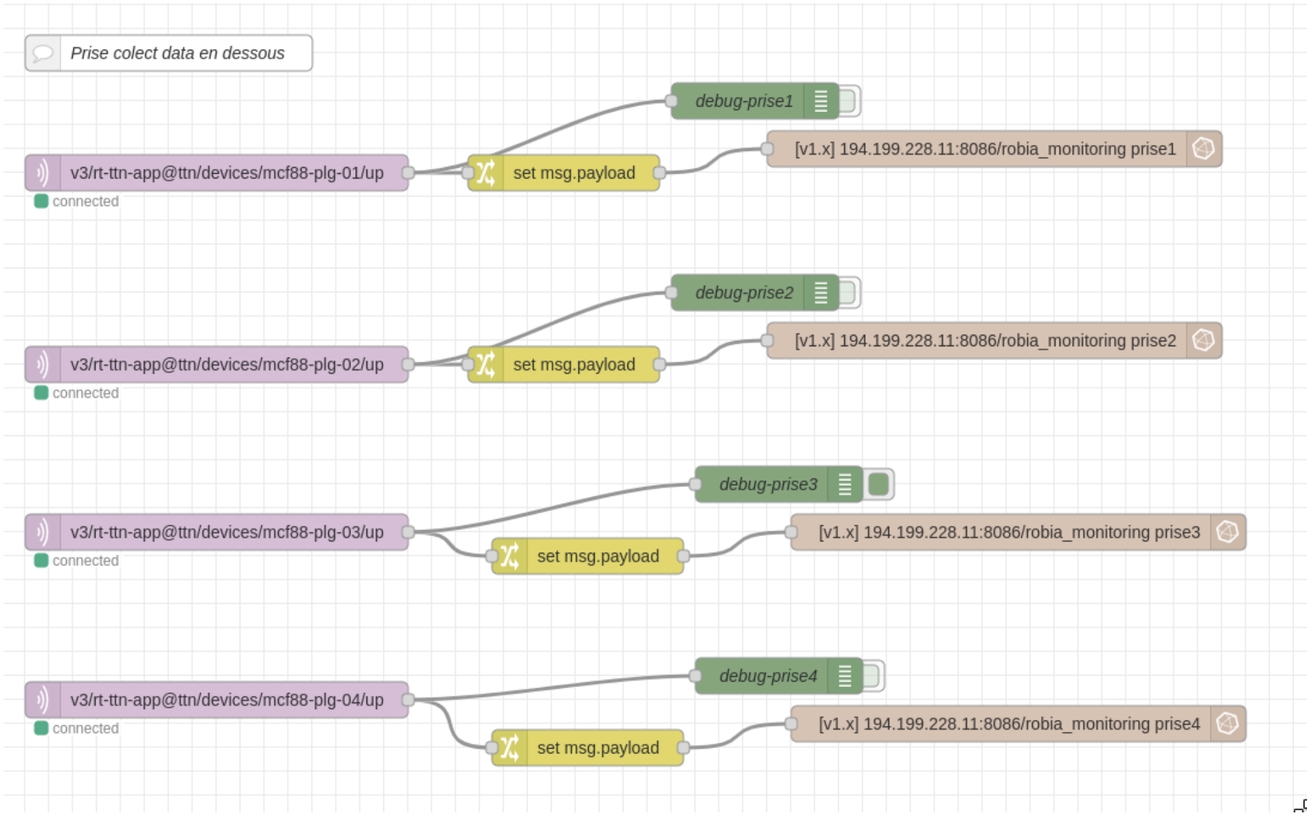


Schéma pour commuté le signal du débimetre

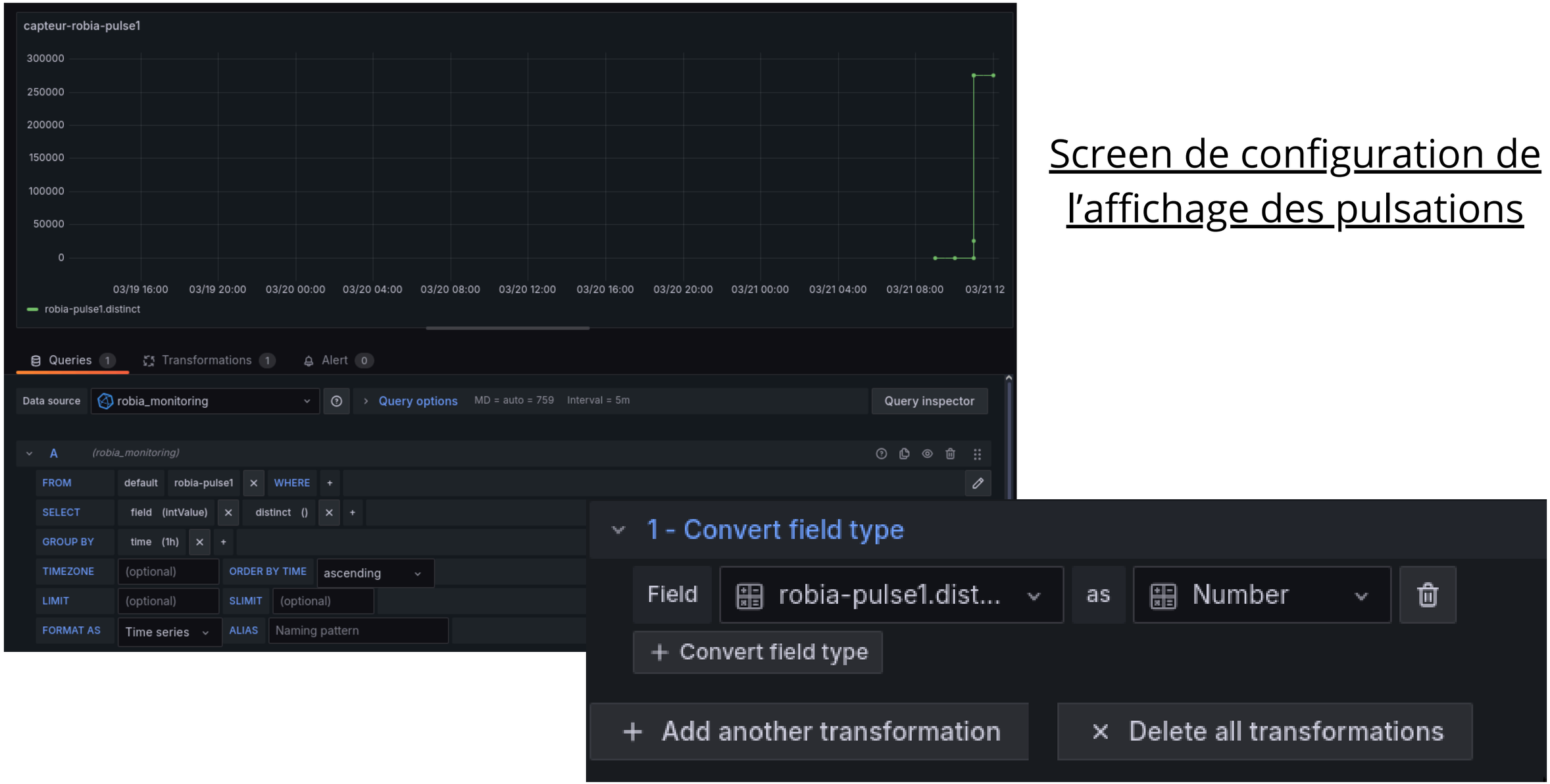


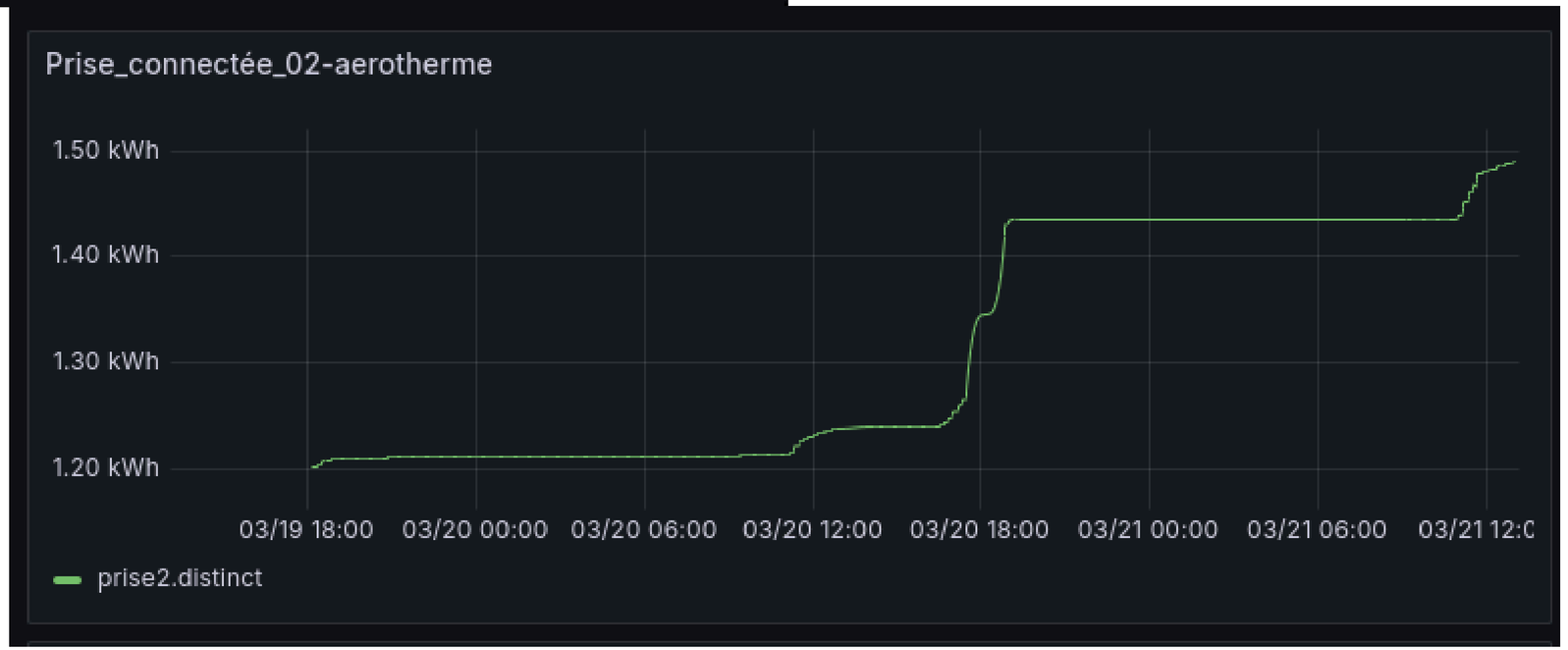
Screen node pour envoyé les données a la BDD

```
// Decode Base64 to a Buffer
let buffer = Buffer.from(base64String, 'base64');

// Convert Buffer to a Binary String
let binaryString = [...buffer].map(byte => byte.toString(2).padStart(8, '0')).join(' ');

if (binaryString.split(" ")[0]=="01000110"){
// Extract the last 4 bytes
if (buffer.length >= 4) {
    let lastFourBytes = buffer.slice(-4); // Get last 4 bytes
    let intValue = lastFourBytes.readUInt32BE(0); // Convert to integer (Big Endian)

    // Append integer value to output
    msg.intValue = intValue;
} else {
    msg.intValue = null; // Not enough bytes to extract an integer
}

// Set output
msg.payload = {
    binaryString: binaryString,
    intValue: msg.intValue,
};
}else {
msg.payload = {
    binaryString: binaryString,
    intValue: -1,
};
}
return msg;
```

Screen node pour mise en forme donnée du capteur de pulsation

Screen de configuration de l’affichage des pulsations





Screen des graphiques montrant la remonté de donnée