esiea
INGÉNIEUR·E·S D'UN NUMÉRIQUE UTILE

Projet :

Solutions Numériques

pour l'Industrie 4.0

Equipe :

AFDARI Aymane

ANIME Mathias

DELLAC Djaouad

DIVE Alexandre

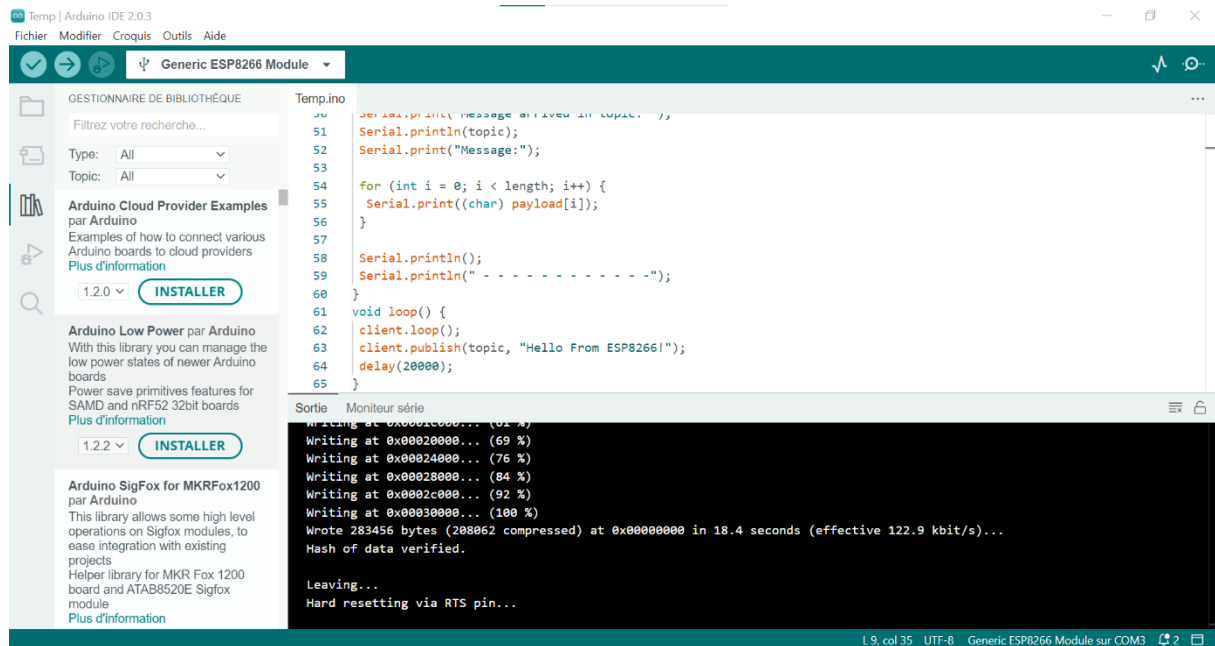GUIGNARD Hugo

HAASTRUP Théo

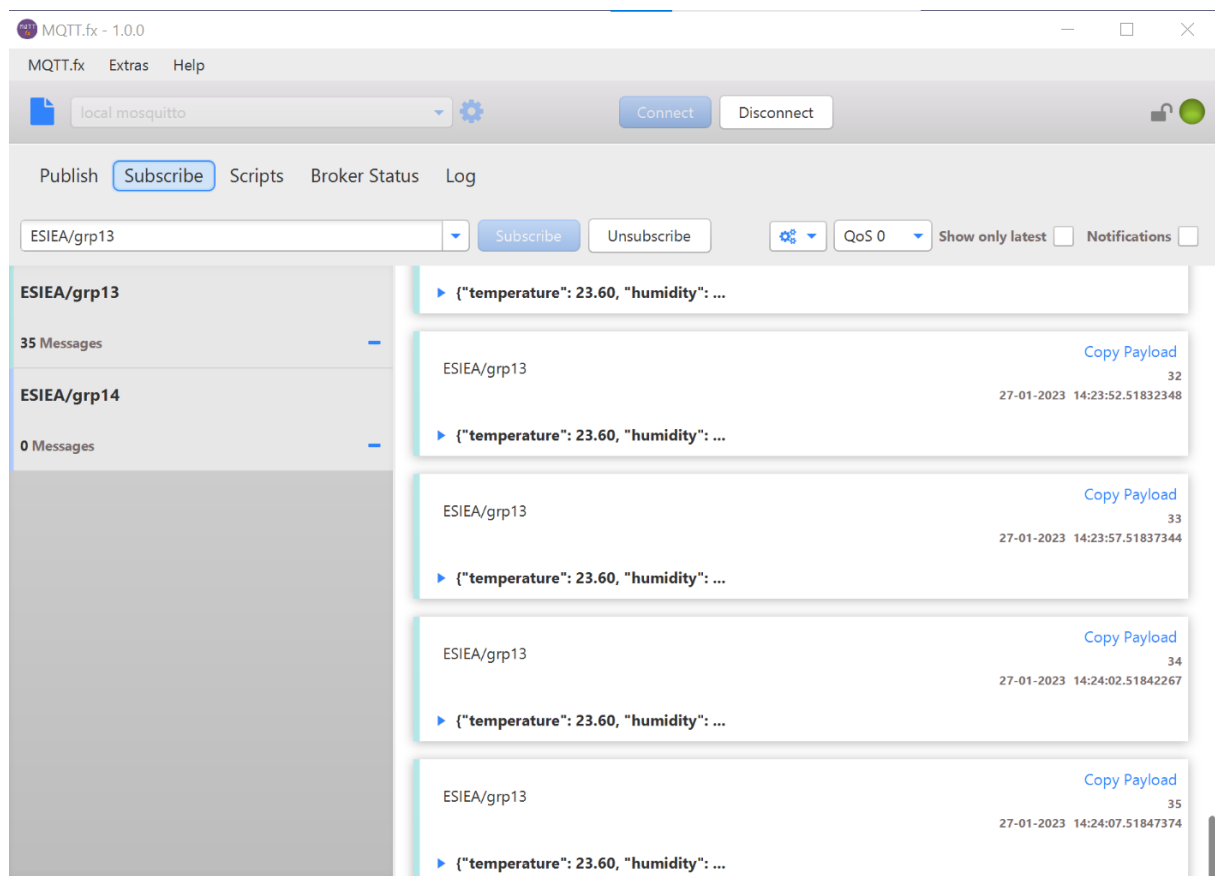HAZAN William

OUIDIR Lydia

Enseignant :

Monsieur Allouche

Pour les premières parties, nous pensions que nous étions le Groupe 13, cependant nous nous sommes rendu compte que nous étions le Groupe 14 à la fin de la partie « Node-RED ».
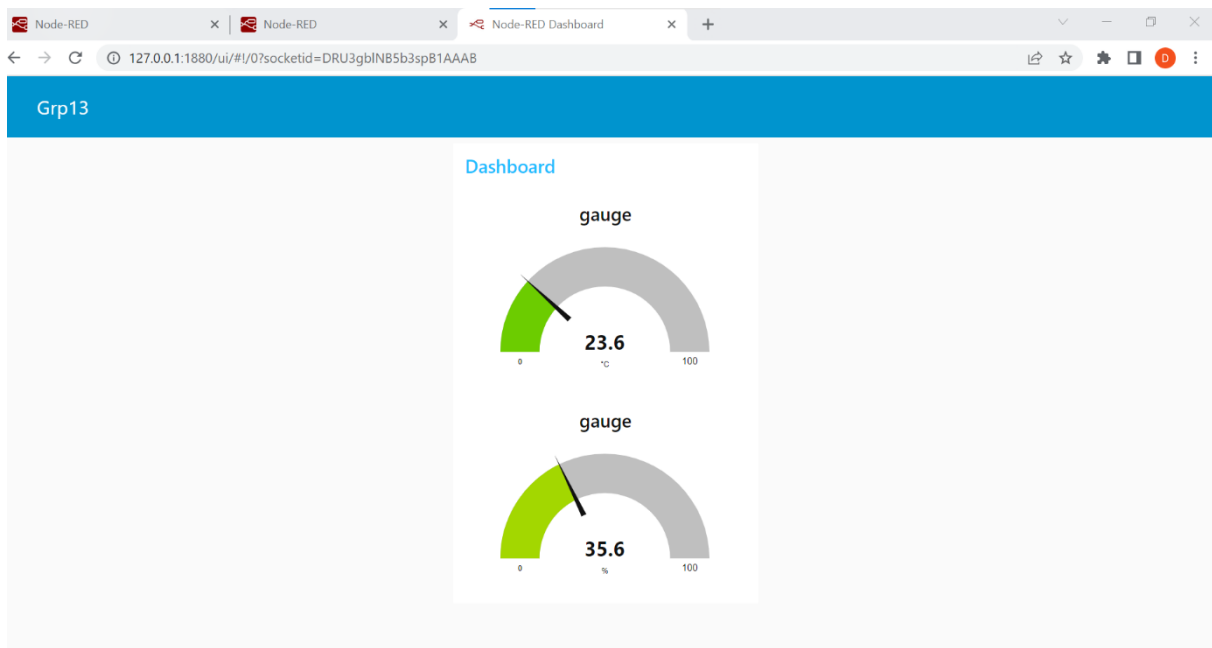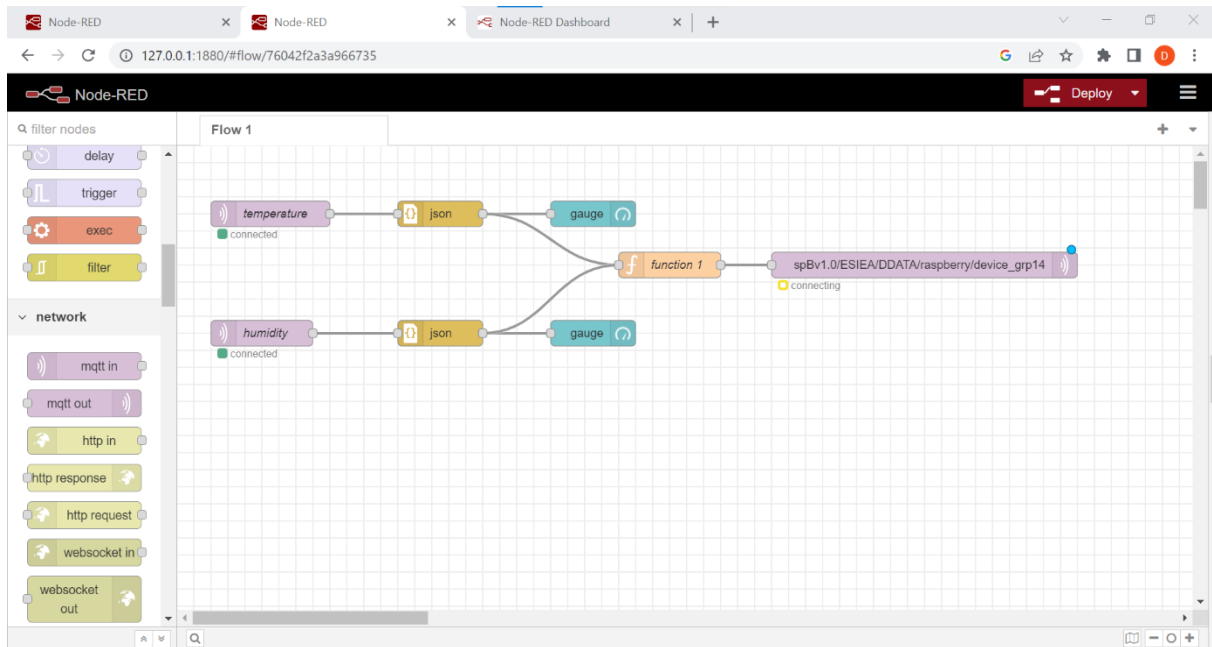
Partie Arduino :

Partie MQTT.fx :

```
della@LAPTOP-D3JT631C MINGW64 ~ (master)
$ node --version
v16.14.0

della@LAPTOP-D3JT631C MINGW64 ~ (master)
$ npm --version
8.5.1

della@LAPTOP-D3JT631C MINGW64 ~ (master)
$ npm install -g --unsafe-perm node-red

added 292 packages, and audited 293 packages in 20s

40 packages are looking for funding
  run `npm fund` for details

5 low severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.
npm notice
npm notice New major version of npm available! 8.5.1 -> 9.4.0
npm notice Changelog: <https://github.com/npm/cli/releases/tag/v9.4.0>
npm notice Run `npm install -g npm@9.4.0` to update!
npm notice

della@LAPTOP-D3JT631C MINGW64 ~ (master)
$ node-red
26 Jan 17:13:20 - [info]

Welcome to Node-RED
===================

26 Jan 17:13:20 - [info] Node-RED version: v3.0.2
26 Jan 17:13:20 - [info] Node.js  version: v16.14.0
26 Jan 17:13:20 - [info] Windows_NT 10.0.19044 x64 LE
26 Jan 17:13:21 - [info] Loading palette nodes
26 Jan 17:13:21 - [info] Settings file  : C:\Users\della\.node-red\settings.js
26 Jan 17:13:21 - [info] Context store  : 'default' [module=memory]
26 Jan 17:13:21 - [info] User directory : \Users\della\.node-red
26 Jan 17:13:21 - [warn] Projects disabled : editorTheme.projects.enabled=false
26 Jan 17:13:21 - [info] Flows file     : C:\Users\della\.node-red\flows.json
26 Jan 17:13:21 - [info] Creating new flow file
```

```
--------------------------------------------------------------
Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
your settings file. Node-RED will then re-encrypt your credentials
file using your chosen key the next time you deploy a change.
--------------------------------------------------------------

26 Jan 17:13:21 - [info] Server now running at http://127.0.0.1:1880/
26 Jan 17:13:21 - [warn] Encrypted credentials not found
26 Jan 17:13:21 - [info] Starting flows
26 Jan 17:13:21 - [info] Started flows
26 Jan 17:17:20 - [info] Stopping flows
26 Jan 17:17:20 - [info] Stopped flows

della@LAPTOP-D3JT631C MINGW64 ~ (master)
$ node-red
26 Jan 17:17:26 - [info]

Welcome to Node-RED
===================

26 Jan 17:17:26 - [info] Node-RED version: v3.0.2
26 Jan 17:17:26 - [info] Node.js  version: v16.14.0
26 Jan 17:17:26 - [info] Windows_NT 10.0.19044 x64 LE
26 Jan 17:17:27 - [info] Loading palette nodes
26 Jan 17:17:28 - [info] Settings file  : C:\Users\della\.node-red\settings.js
26 Jan 17:17:28 - [info] Context store  : 'default' [module=memory]
26 Jan 17:17:28 - [info] User directory : \Users\della\.node-red
26 Jan 17:17:28 - [warn] Projects disabled : editorTheme.projects.enabled=false
26 Jan 17:17:28 - [info] Flows file     : C:\Users\della\.node-red\flows.json
26 Jan 17:17:28 - [warn]

--------------------------------------------------------------
Your flow credentials file is encrypted using a system-generated key.

If the system-generated key is lost for any reason, your credentials
file will not be recoverable, you will have to delete it and re-enter
your credentials.

You should set your own key using the 'credentialSecret' option in
```

```
26 Jan 17:17:28 - [warn] Encrypted credentials not found
26 Jan 17:17:28 - [info] Server now running at http://127.0.0.1:1880/
26 Jan 17:17:28 - [info] Starting flows
26 Jan 17:17:28 - [info] Started flows
26 Jan 17:28:49 - [info] Installing module: node-red-contrib-mqtt-broker, versio
n: 0.2.9
26 Jan 17:29:25 - [info] Installed module: node-red-contrib-mqtt-broker
26 Jan 17:29:26 - [info] Added node types:
26 Jan 17:29:26 - [info]  - node-red-contrib-mqtt-broker:mosca in
26 Jan 17:29:42 - [info] Stopping flows
26 Jan 17:29:42 - [info] Stopped flows
26 Jan 17:29:42 - [info] Updated flows
26 Jan 17:29:42 - [info] Starting flows
26 Jan 17:29:42 - [info] Started flows
26 Jan 17:29:42 - [info] [mqtt-broker:Mqtt] Connected to broker: mqtt://10.8.128
.250:1883
26 Jan 17:32:48 - [info] Installing module: node-red-contrib-mdashboard, version
: 2.19.4-beta
26 Jan 17:32:56 - [info] Installed module: node-red-contrib-mdashboard
26 Jan 17:32:56 - [info] mDashboard version 2.19.4-beta started at /mui
26 Jan 17:32:56 - [info] Added node types:
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_base
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_button
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_dropdown
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_switch
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_slider
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_numeric
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_text_input
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_date_picker
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_colour_picker
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_form
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_text
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_gauge
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_chart
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_audio
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_toast
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_ui_control
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_template
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_link
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_tab
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_group
26 Jan 17:32:56 - [info]  - node-red-contrib-mdashboard:mui_spacer
26 Jan 17:32:57 - [info] Installing module: node-red-dashboard, version: 3.3.1
26 Jan 17:33:04 - [info] Installed module: node-red-dashboard
26 Jan 17:33:04 - [info] Dashboard version 3.3.1 started at /ui
26 Jan 17:33:04 - [info] Added node types:
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_base
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_button
```

```
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_base
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_button
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_dropdown
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_switch
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_slider
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_numeric
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_text_input
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_date_picker
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_colour_picker
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_form
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_text
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_gauge
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_chart
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_audio
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_toast
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_ui_control
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_template
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_link
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_tab
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_group
26 Jan 17:33:04 - [info]  - node-red-dashboard:ui_spacer
26 Jan 17:35:01 - [info] [mqtt-broker:Mqtt] Disconnected from broker: mqtt://10.
8.128.250:1883
26 Jan 17:36:28 - [info] [mqtt-broker:Mqtt] Connected to broker: mqtt://10.8.128
.250:1883
26 Jan 17:36:59 - [error] [mqtt in:temperature] Failed to parse JSON string
26 Jan 17:36:59 - [error] [mqtt in:humidity] Failed to parse JSON string
26 Jan 17:36:59 - [error] [mqtt in:temperature] Failed to parse JSON string
26 Jan 17:36:59 - [error] [mqtt in:humidity] Failed to parse JSON string
26 Jan 17:37:19 - [error] [mqtt in:temperature] Failed to parse JSON string
26 Jan 17:37:19 - [error] [mqtt in:humidity] Failed to parse JSON string
26 Jan 17:43:14 - [info] Stopping flows
26 Jan 17:43:14 - [info] Stopped flows
26 Jan 17:43:14 - [info] Updated flows
26 Jan 17:43:14 - [info] Starting flows
26 Jan 17:43:14 - [info] Started flows
26 Jan 17:43:14 - [info] [mqtt-broker:Mqtt] Connected to broker: mqtt://10.8.128
.250:1883
26 Jan 17:44:37 - [info] Stopping flows
26 Jan 17:44:37 - [info] Stopped flows
26 Jan 17:44:37 - [info] Updated flows
26 Jan 17:44:37 - [info] Starting flows
26 Jan 17:44:37 - [info] Started flows
26 Jan 17:44:37 - [info] [mqtt-broker:Mqtt] Connected to broker: mqtt://10.8.128
.250:1883
26 Jan 17:45:32 - [info] Stopping flows
26 Jan 17:45:32 - [info] Stopped flows
26 Jan 17:45:32 - [info] Updated flows
26 Jan 17:45:32 - [info] Starting flows
```

Partie Node-RED :

Partie Ignition :