Project 1 Presentation

VISIO II Export Suitcase

3 IRC

English Intensive

Batiste LALOI | June 2021 | CPE Lyon

Plan

1 – My company

2 – Team presentation

3 – The Project : VISIO II Export Suitcase

4 – What did I have to do ?

5 – Knowledges and skills involved

6 – Conclusion
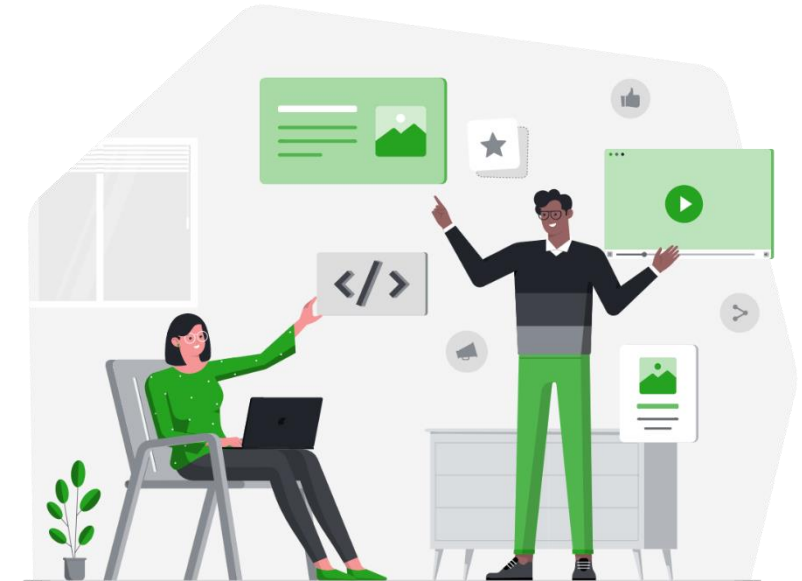
1 – My company

1925
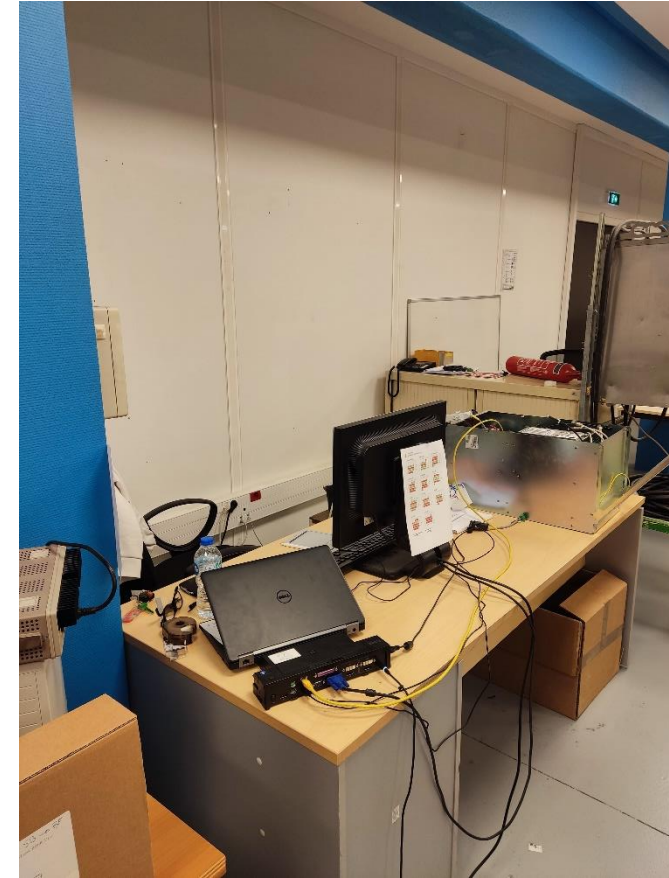
2010

ENSTO
Better life.
With electricity.
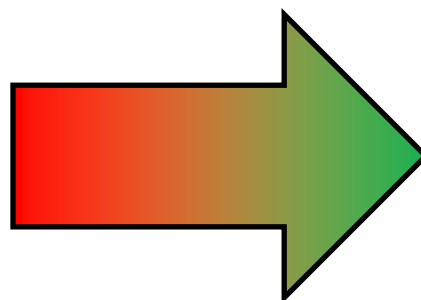
Nb. Employees

~ 170

2 – Team and environment presentation

3 – The Project : VISIO II Export Suitcase

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Looking for new markets :

- Europe

- Africa

- South America

4 – What did I have to do ?

Main task :

Development and upgrade of the suitcase embedded software

4 – What did I have to do ?

DUT Internship + Alternance Beginning

✓ - UI navigation overhaul

✓ - Customizable time delay

✓ - Addition of new case model : EMIS

```
 54
 55 > void gestion_IHM(void) ···
10287
10288    /*****************************
```

```
419   /* Variables liées à la fonction de configuration. */
420   unsigned int ratio_TI;
421   char famille_materiel_teste;
422   char cons_materiel_teste;
423   short int mod_materiel_teste;
424   unsigned char U_reseau;
425   float gain_eta_gene_i;
426   bool lance_init_var_type_mat = NON;
```

```
10116  void gestion_compatibilite_mod(void)
10117  {
10118
10119    unsigned char i;
10120
10121    if((sel_famille_materiel_teste == OMT) && (sel_cons_materiel_teste == NOVEXIA) && (sel_mod_materiel_teste > 7))
10122    {
10123
10124      sel_mod_materiel_teste = ITI_90_93_96;
10125
10126      strcpy(texte_aff[3], text_omt_nov_mod_materiel_teste[sel_mod_materiel_teste-0]);
10127      for(i = strlen(text_omt_nov_mod_materiel_teste[sel_mod_materiel_teste-0]); i < 20; i++) texte_aff[3][i] = ' ';
10128
10129      i2c_flag.ecr_afficheur[3] = OUI;
10130
10131    }
10132
10133    else if((sel_famille_materiel_teste == OMT) && (sel_cons_materiel_teste == SCHNEIDER) && ((sel_mod_materiel_teste < 200) || (sel_mod_materiel_teste > 299)))
10134    {
10135
10136      sel_mod_materiel_teste = ITI_PACK_X;
10137
10138      strcpy(texte_aff[3], text_omt_sch_mod_materiel_teste[sel_mod_materiel_teste-200]);
10139      for(i = strlen(text_omt_sch_mod_materiel_teste[sel_mod_materiel_teste-200]); i < 20; i++) texte_aff[3][i] = ' ';
10140
10141      i2c_flag.ecr_afficheur[3] = OUI;
10142
10143    }
10144
10145    else if((sel_famille_materiel_teste == OMT) && (sel_cons_materiel_teste == CAHORS) && ((sel_mod_materiel_teste < 400) || (sel_mod_materiel_teste > 499)))
10146    {
10147
10148      sel_mod_materiel_teste = ITI_06_09 ;
10149
10150      strcpy(texte_aff[3], text_omt_cahors_mod_materiel_teste[sel_mod_materiel_teste-400]);
10151      for(i = strlen(text_omt_cahors_mod_materiel_teste[sel_mod_materiel_teste-400]); i < 20; i++) texte_aff[3][i] = ' ';
10152
10153      i2c_flag.ecr_afficheur[3] = OUI;
10154
10155    }
10156    // Ajout de actia - Batiste
10157    else if((sel_famille_materiel_teste == OMT) && (sel_cons_materiel_teste == ACTIA) && ((sel_mod_materiel_teste < 600) || (sel_mod_materiel_teste > 699)))
10158    {
10159
10160      sel_mod_materiel_teste = EMIS_ACTIA ;
10161
10162      strcpy(texte_aff[3], text_omt_actia_mod_materiel_teste[sel_mod_materiel_teste-600]);
10163      for(i = strlen(text_omt_actia_mod_materiel_teste[sel_mod_materiel_teste-600]); i < 20; i++) texte_aff[3][i] = ' ';
10164
10165      i2c_flag.ecr_afficheur[3] = OUI;
10166
10167    }
```
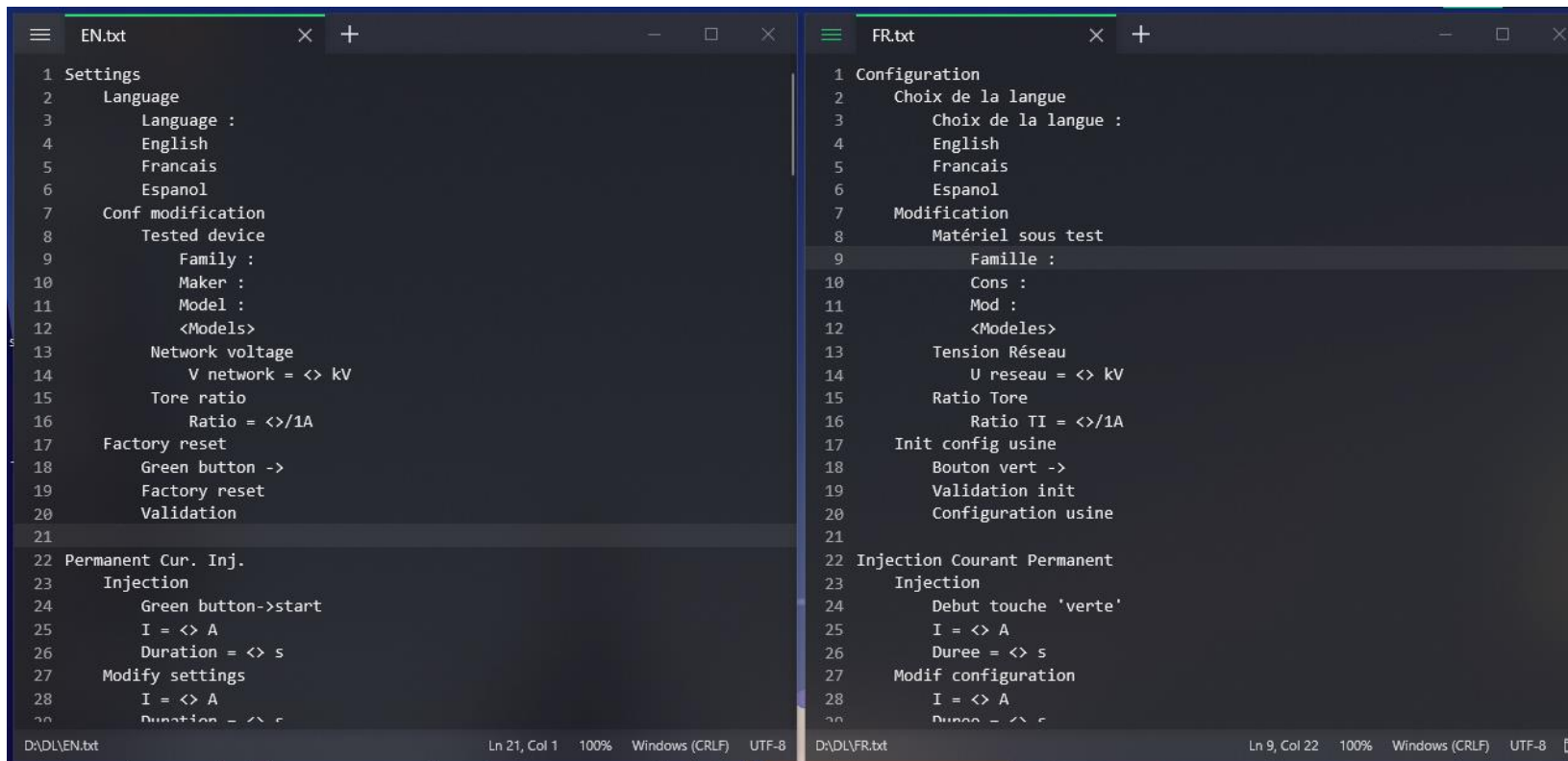
4 – What did I have to do ?


```
Fin injection
                 ABS BT
```



```
Famille : <ILD>
Cons : NOVEXIA
Mod :
LYNX 23xx et 24xx
```



```
I = <0500> A
Duree def = 300 ms
Maintien TS = 05 s
```



```
EN.txt

 1 Settings
 2     Language
 3         Language :
 4         English
 5         Francais
 6         Espanol
 7     Conf modification
 8         Tested device
 9             Family :
10             Maker :
11             Model :
12             <Models>
13         Network voltage
14             V network = <> kV
15         Tore ratio
16             Ratio = <>/1A
17     Factory reset
18         Green button ->
19         Factory reset
20         Validation
21
22 Permanent Cur. Inj.
23     Injection
24         Green button->start
25         I = <> A
26         Duration = <> s
27     Modify settings
28         I = <> A
29         Duration = <> s

D:\DL\EN.txt          Ln 21, Col 1   100%   Windows (CRLF)   UTF-8
```

```
FR.txt

 1 Configuration
 2     Choix de la langue
 3         Choix de la langue :
 4         English
 5         Francais
 6         Espanol
 7     Modification
 8         Matériel sous test
 9             Famille :
10             Cons :
11             Mod :
12             <Modeles>
13         Tension Réseau
14             U reseau = <> kV
15         Ratio Tore
16             Ratio TI = <>/1A
17     Init config usine
18         Bouton vert ->
19         Validation init
20         Configuration usine
21
22 Injection Courant Permanent
23     Injection
24         Debut touche 'verte'
25         I = <> A
26         Duree = <> s
27     Modif configuration
28         I = <> A
29         Duree = <> s

D:\DL\FR.txt          Ln 9, Col 22   100%   Windows (CRLF)   UTF-8
```

4 – What did I have to do ?

```
270     // Carte Afficheur
271     char texte_aff[4][21];
```

```
⊟ texte_aff          <array>
 ├⊞ [0]               "Famille : <ILD>   "
 ├⊞ [1]               "Cons : NOVEXIA    "
 ├⊞ [2]               "Mod :             "
 └⊞ [3]               "LYNX 23xx et 24xx "
```

```
5450        else if(indice_l3 == 4)
5451        {
5452          if( indice_l4 == 0 )
5453          {
5454            if( (CodeTouche == BP_HAUT) )
5455            {
5456              indice_l3 = 3;
5457
5458              strcpy(texte_aff[0], " Polyphase          ");
5459              strcpy(texte_aff[1], " Double             ");
5460              strcpy(texte_aff[2], "~Homopolaire vert   ");
5461              strcpy(texte_aff[3], " Homopolaire rouge  ");
5462
5463              i2c_flag.ecr_afficheur[0] = OUI;
5464              i2c_flag.ecr_afficheur[1] = OUI;
5465              i2c_flag.ecr_afficheur[2] = OUI;
5466              i2c_flag.ecr_afficheur[3] = OUI;
5467
5468            }
```
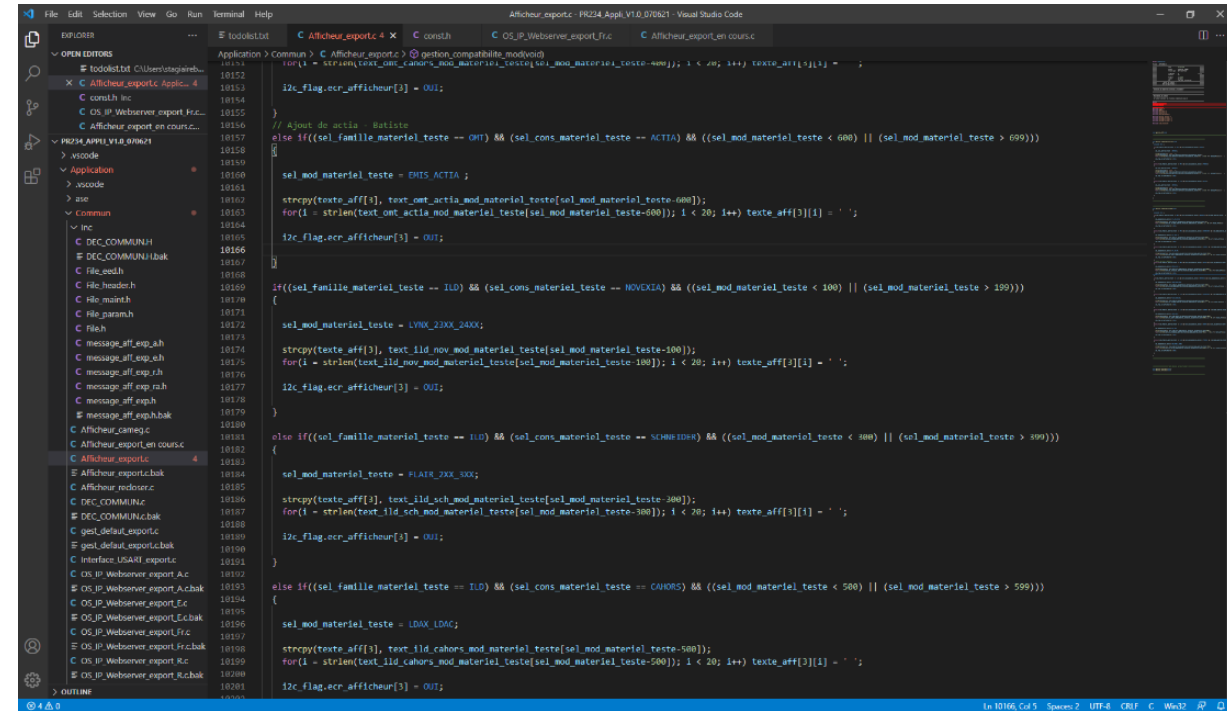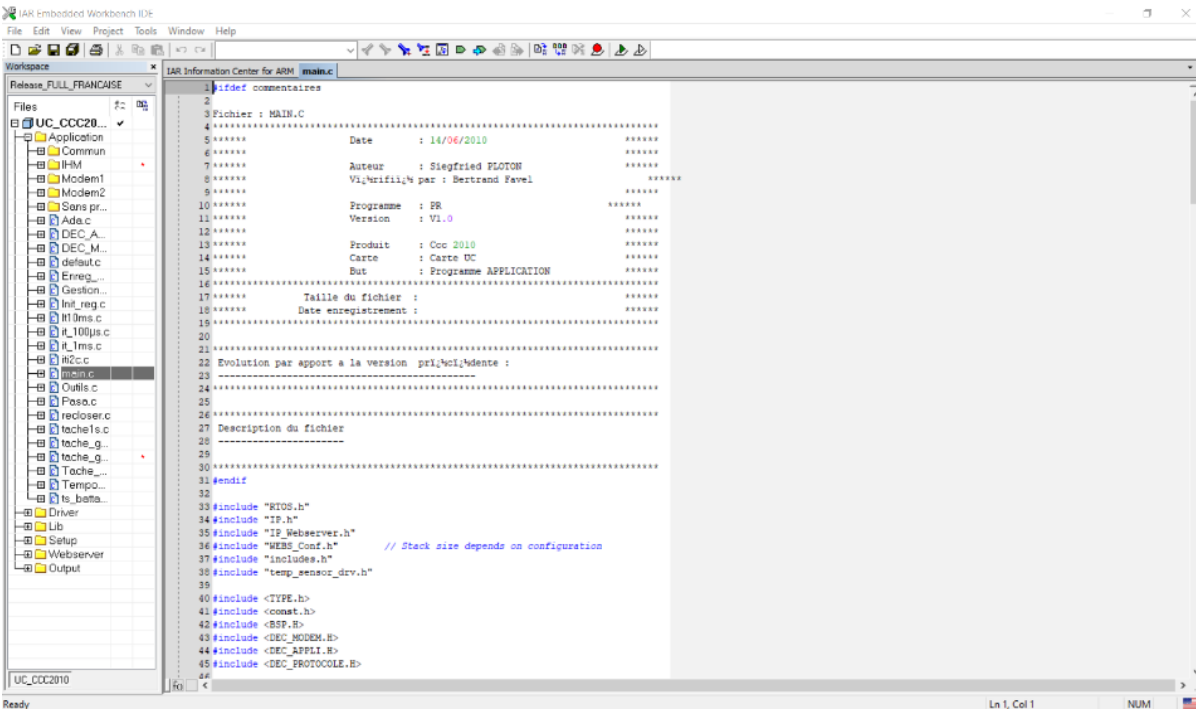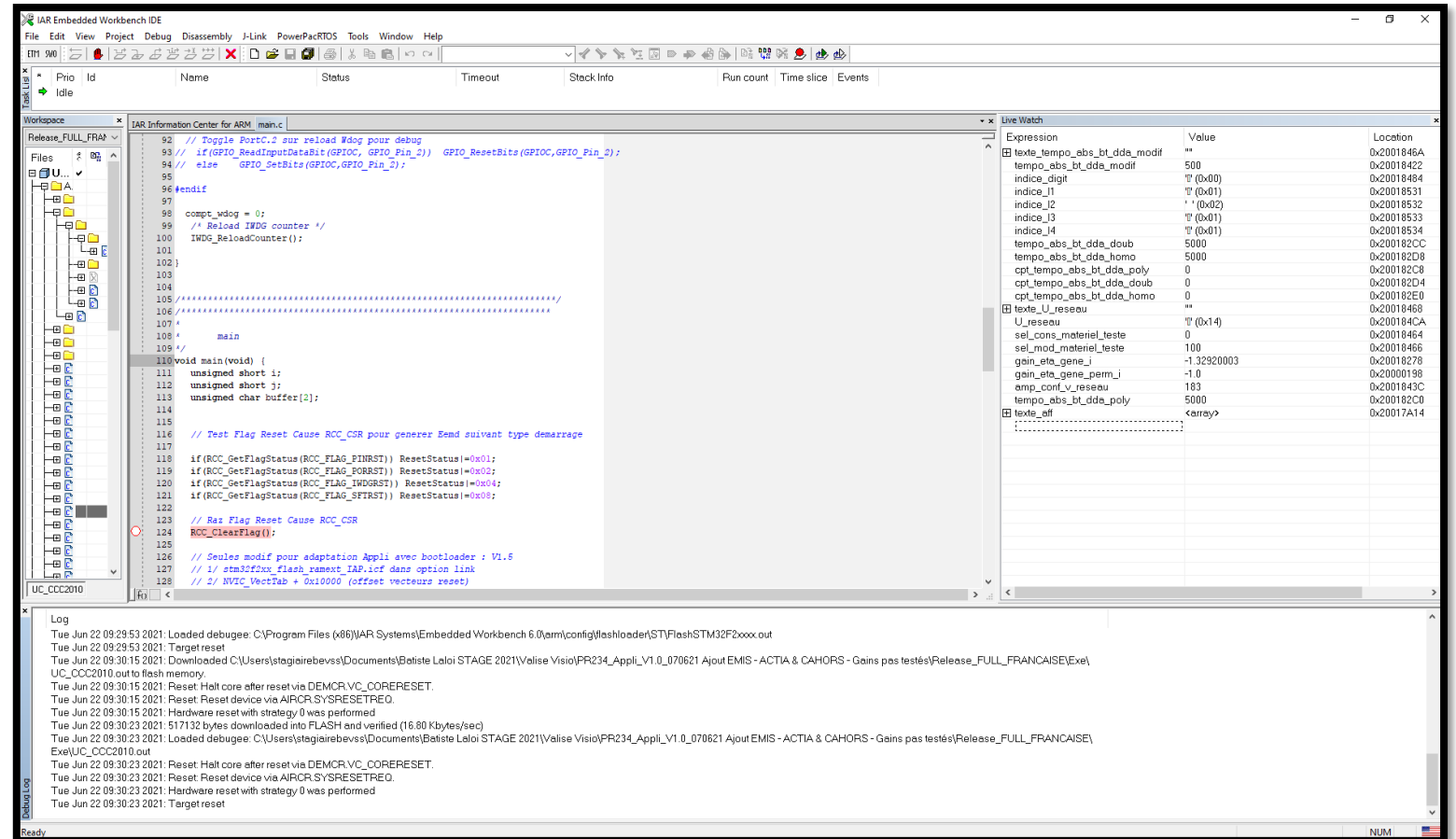
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6 – Conclusion