Saves Your Energy

Project 1 Presentation

VISIO II Export Suitcase

3 IRC

English Intensive

Batiste LALOI | June 2021 | CPE Lyon

Plan

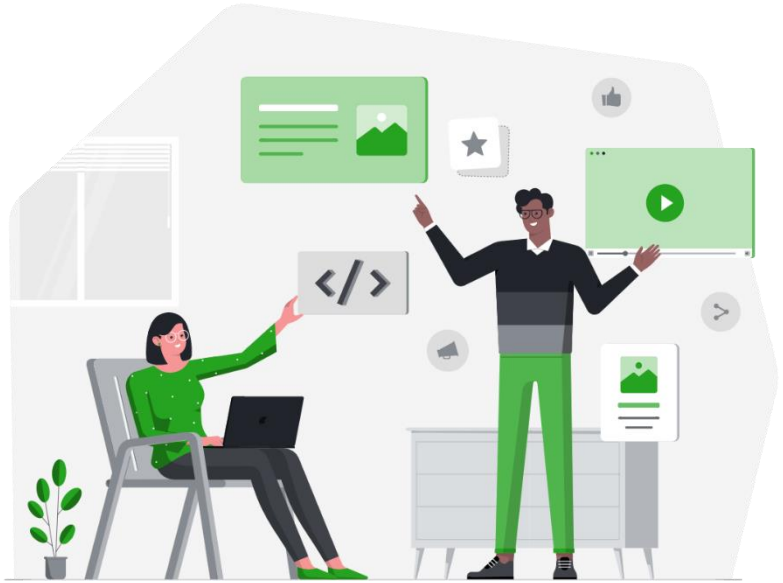
1 – My company

2 – The Project : VISIO II Export Suitcase

3 – What did I have to do ?

4 – Knowledges and skills involved

5 – Conclusion



1 – My company

1925 → 2010

novexia

ENSTO
Better life.
With electricity.

Nb. Employees

~ 170

2 – The Project : VISIO II Export Suitcase

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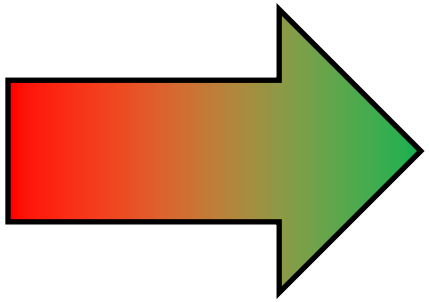
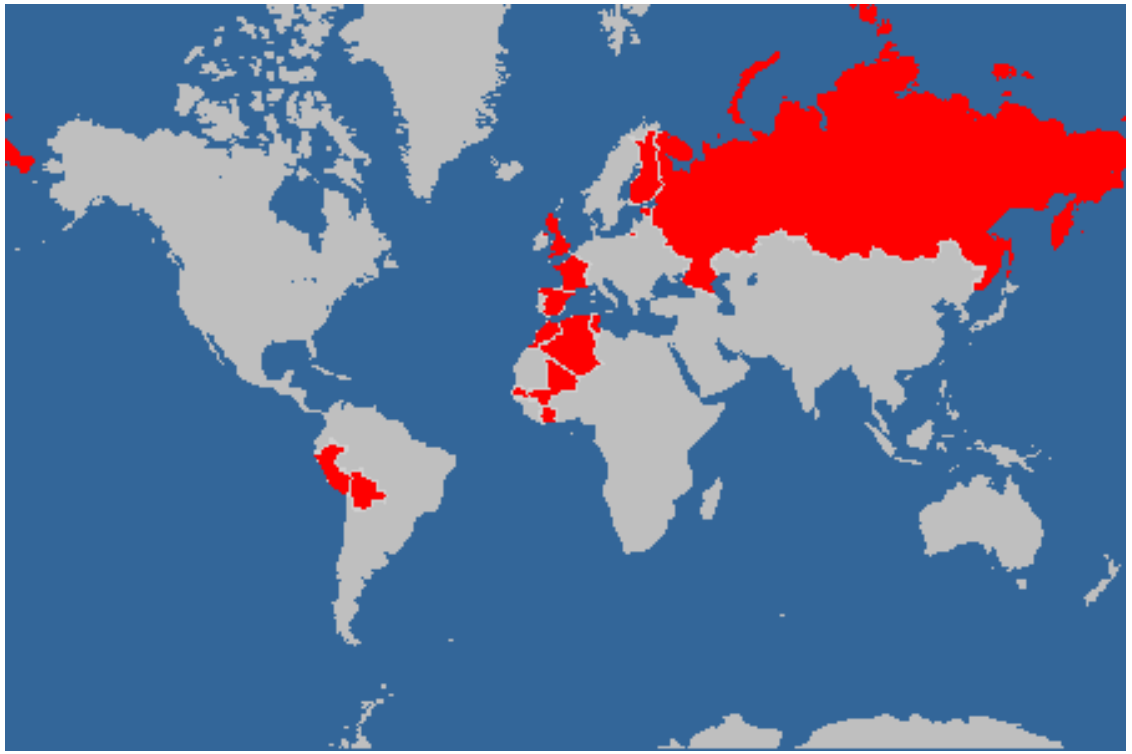


2 – The Project : VISIO II Export Suitcase



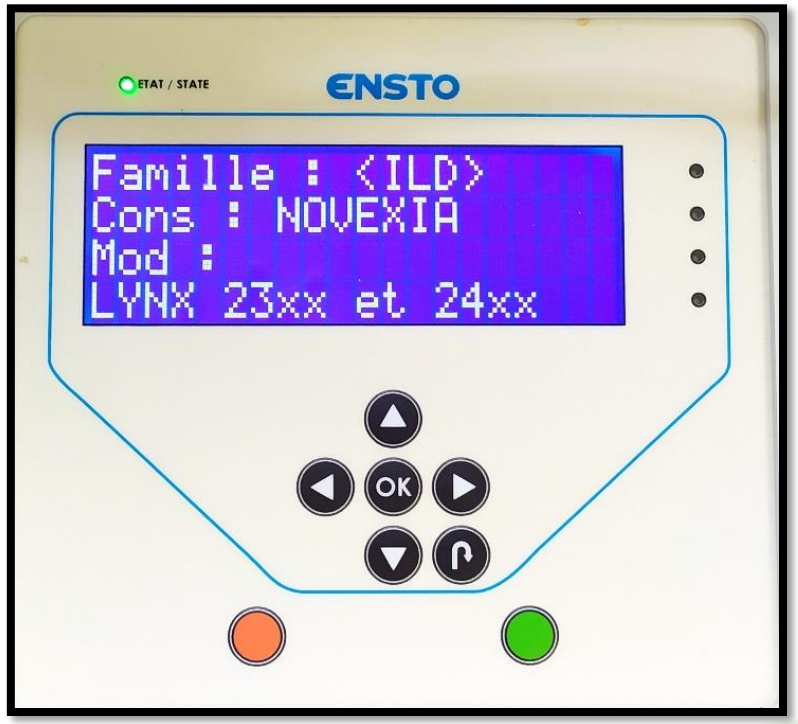
Looking for new markets :

- Europe
- Africa
- South America

3 – What did I have to do ?

Main task :

Development and upgrade of the suitcase embedded software



Saves Your Energy

3 – 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    }
```

3 – What did I have to do ?

EN.txt

```
Settings
    Language
        Language :
        English
        Francais
        Espanol
    Conf modification
        Tested device
            Family :
            Maker :
            Model :
            <Models>
         Network voltage
             V network = <> kV
         Tore ratio
             Ratio = <>/1A
    Factory reset
        Green button ->
        Factory reset
        Validation

Permanent Cur. Inj.
    Injection
        Green button->start
        I = <> A
        Duration = <> s
    Modify settings
        I = <> A
```

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

FR.txt

```
Configuration
    Choix de la langue
        Choix de la langue :
        English
        Francais
        Espanol
    Modification
        Matériel sous test
            Famille :
            Cons :
            Mod :
            <Modeles>
        Tension Réseau
            U reseau = <> kV
        Ratio Tore
            Ratio TI = <>/1A
    Init config usine
        Bouton vert ->
        Validation init
        Configuration usine

Injection Courant Permanent
    Injection
        Debut touche 'verte'
        I = <> A
        Duree = <> s
    Modif configuration
        I = <> A
```

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

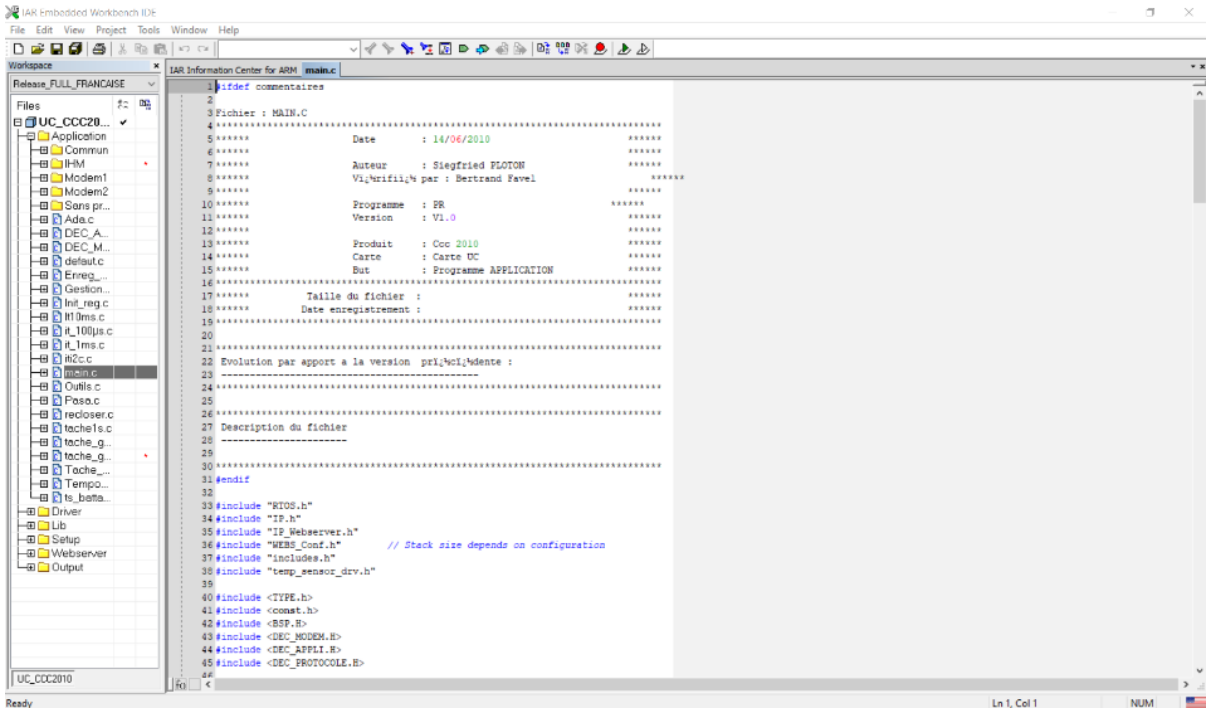
3 – What did I have to do ?

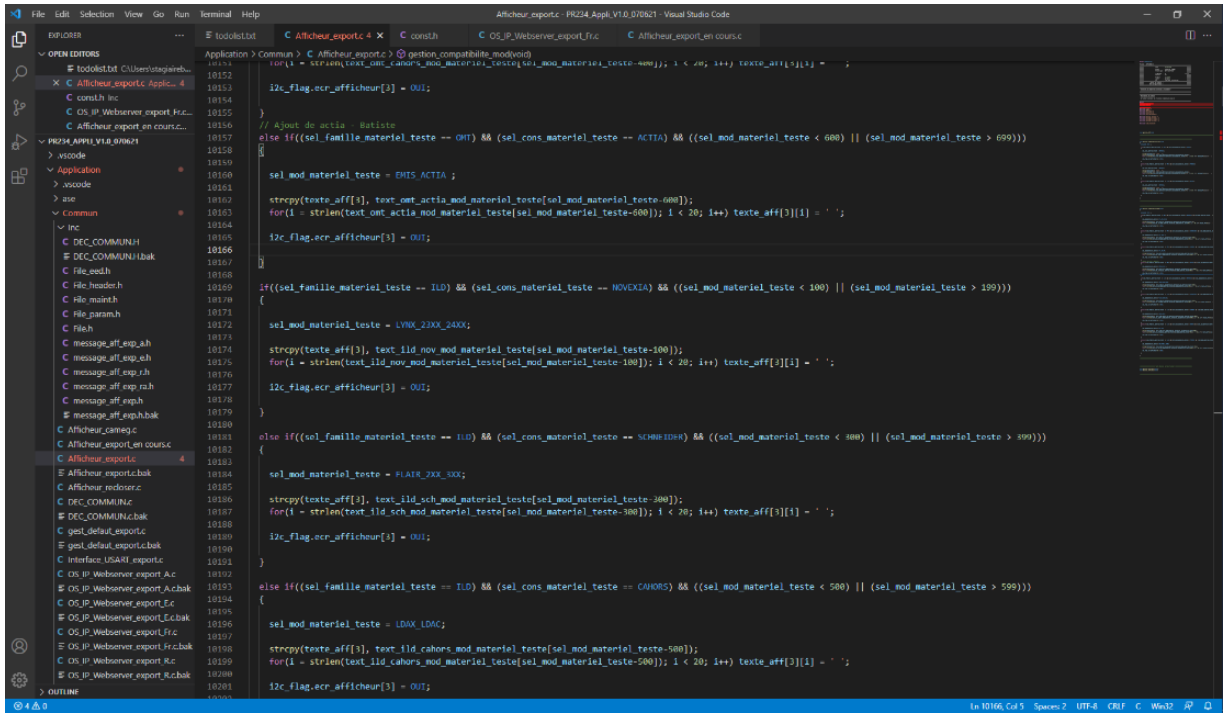
```
strcpy(texte_aff[0], "~Settings           ");
strcpy(texte_aff[1], " Permanent Cur. Inj.");
strcpy(texte_aff[2], " Current fault Inj. ");
strcpy(texte_aff[3], " Voltage fault Inj. ");
```

```
strcpy(texte_aff[0], "~Configuration      ");
strcpy(texte_aff[1], " Inject I permanent ");
strcpy(texte_aff[2], " Inject def.Amp(DDA)");
strcpy(texte_aff[3], " Inject def.Dir(DDD)");
```

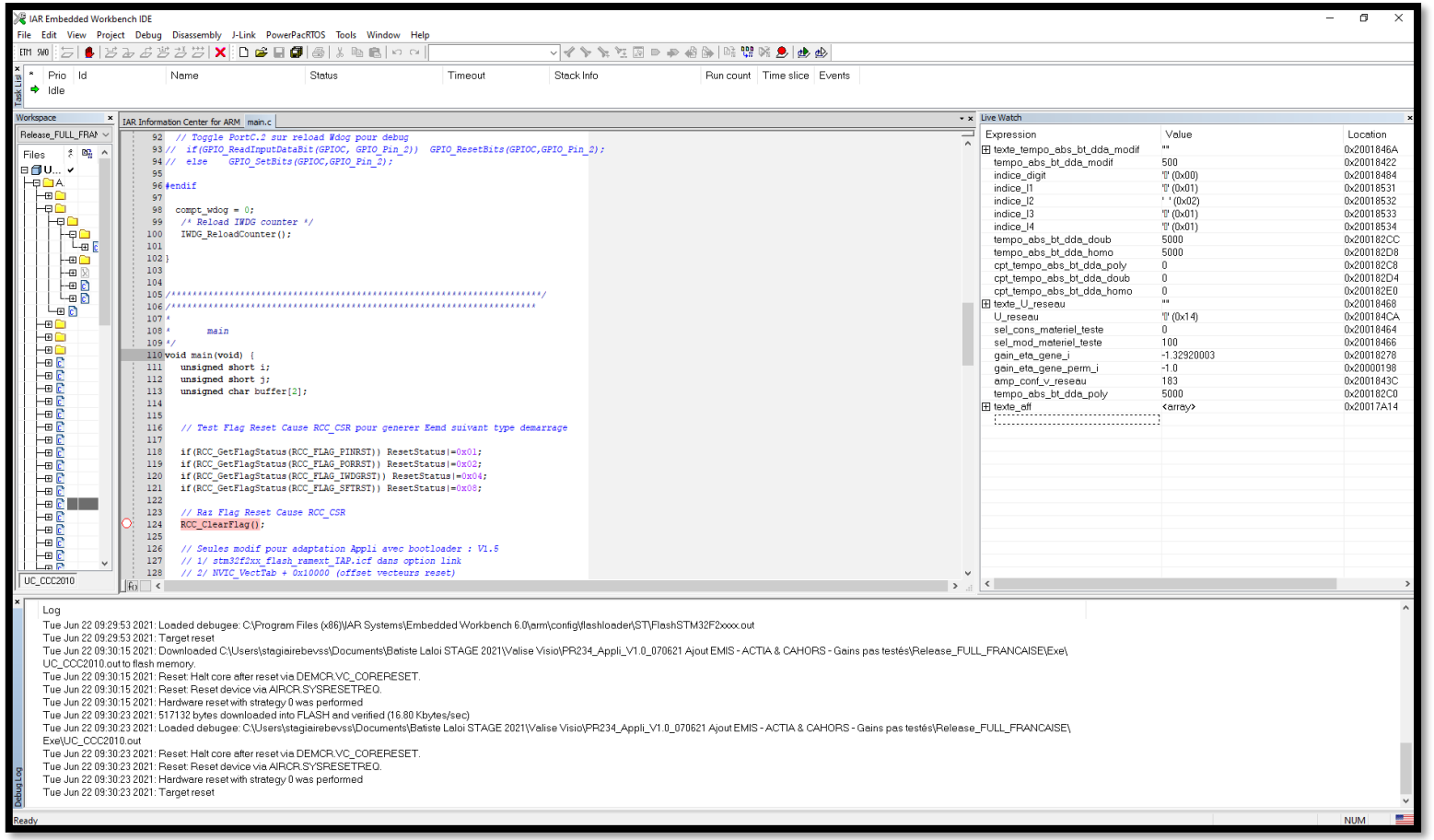
```
strcpy(texte_aff[0], "~Configuracion      ");
strcpy(texte_aff[1], " Inyeccion I cont.  ");
strcpy(texte_aff[2], " Inyeccion de corr. ");
strcpy(texte_aff[3], " Inyeccion de tens. ");
```

4 – Knowledges and skills involved





4 – Knowledges and skills involved



5 – Conclusion

Thank you for listening

Do you have any questions ?