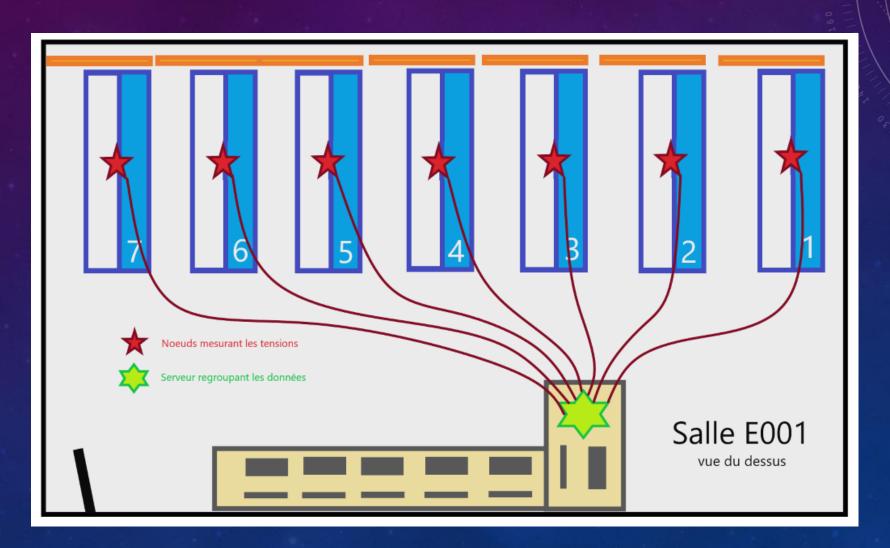


INTRODUCTION





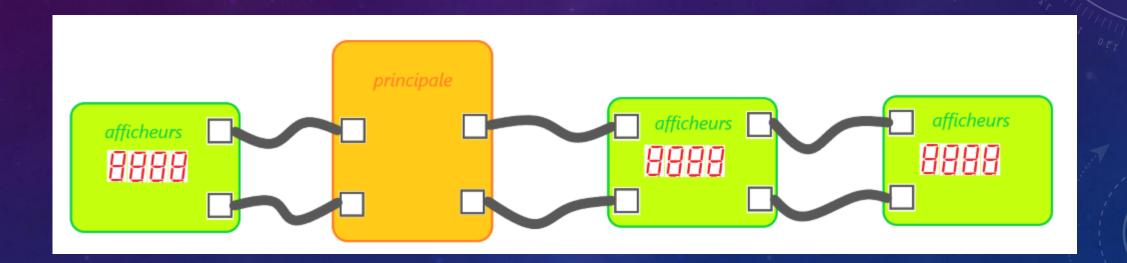
INTRODUCTION



- I. Cartes "afficheurs"
- II. Carte "principale"
- III. Application web
- IV. Retour sur la gestion du projet
- V. Conclusion

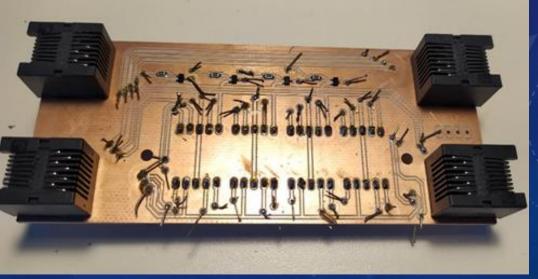
SOMMAIRE

CARTES "AFFICHEURS"



CARTES "AFFICHEURS"





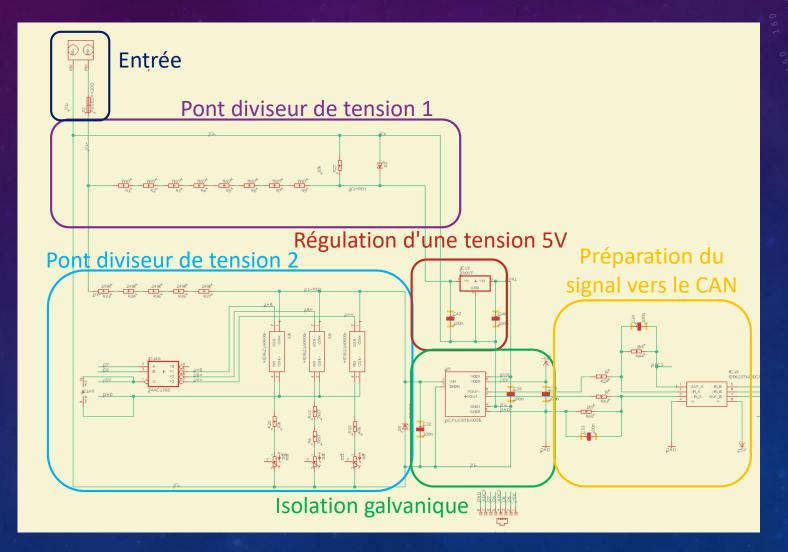
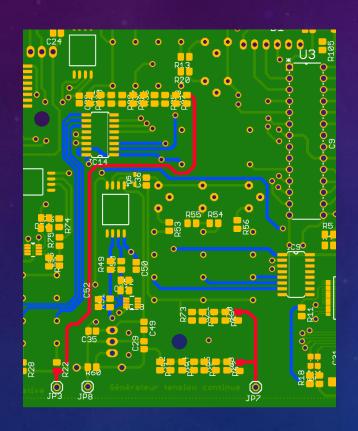
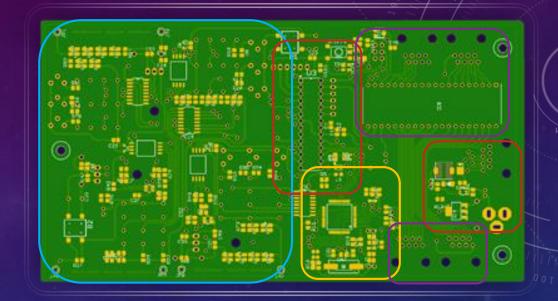
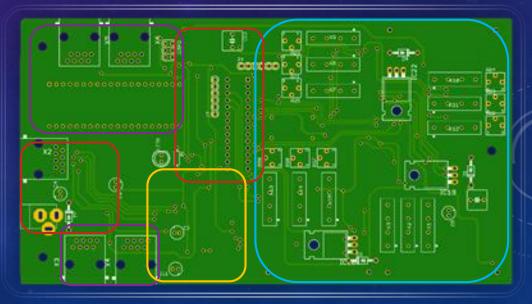


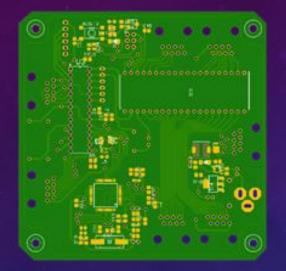
TABLEAU DU CALCUL DES RESISTANCES

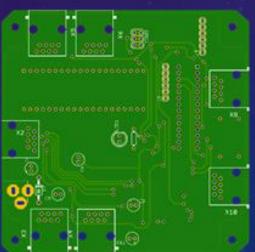
	Source de tension continue		
Tension max (V)	250	150	50
Tension min (V)	150	50	0
ratio 2V/Input	0,008	0,01333	0,04
R1 théorique (Ohm)		1	240 000
R1 choisie (Ohm)	1 245 000		
R2 théorique (Ohm)	10 000	16824	51875
R2 choisie (Ohm)	10 000	15 740	47 000
Tension max réelle (V)	251	160	55

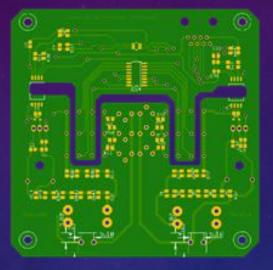


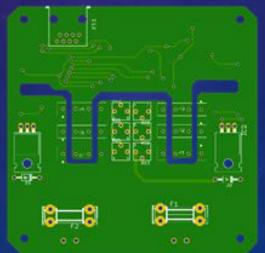


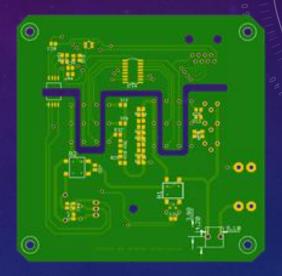


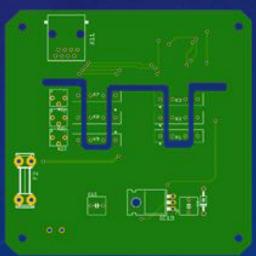




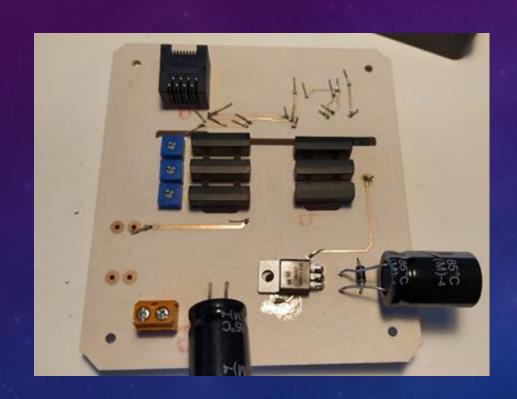


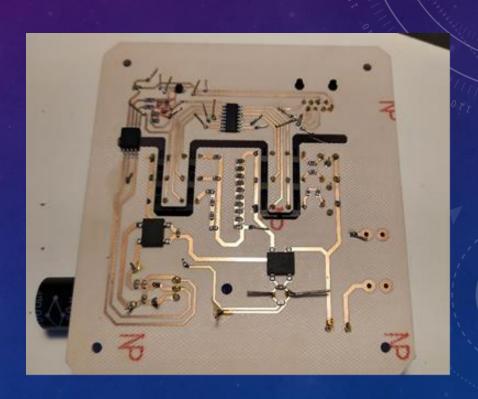


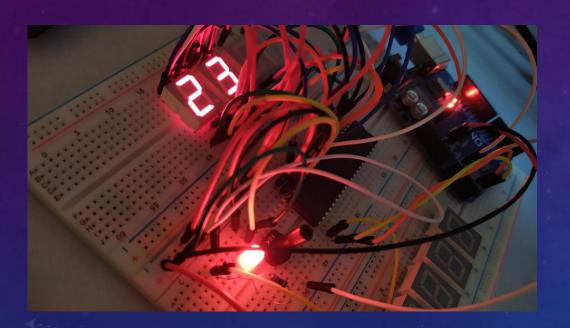


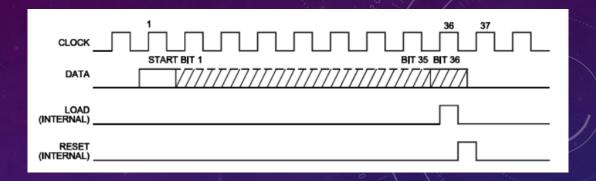




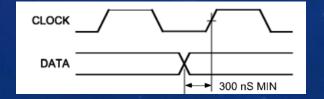


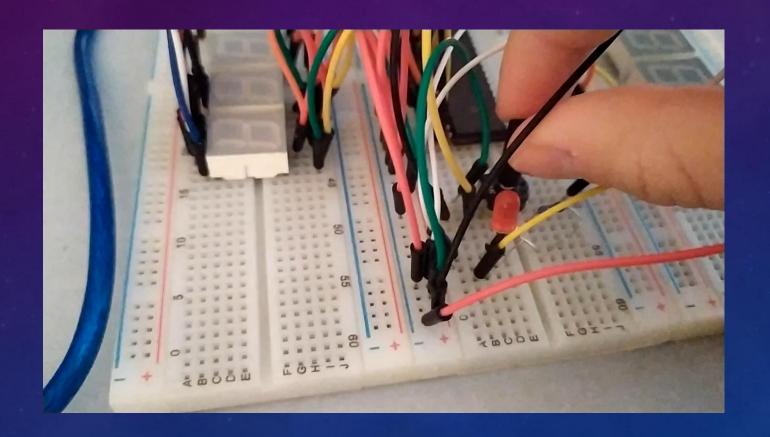






```
1  digitalWrite(dataBit, HIGH);
2  pulseCLK();
3  for (int i = 0; i < 35; i++)
4  {
5    if (i%2 == 0)
6    {
7       digitalWrite(dataBit, HIGH);
8       pulseCLK();
9       //Serial.print(i);
10       //Serial.println(" : allumée !");
11    }
12    else
13    {
14       digitalWrite(dataBit, LOW);
15       pulseCLK();
16       //Serial.print(i);
17       //Serial.println(" : éteinte !");
18
19    }
20 }</pre>
```





```
Côté client
banc = 7; dc1 = 123; ac = 312; dc2 = 230;
data = "Banc=" + String(banc) + "&DC1=" + String(dc1) + "&AC=" + String(ac) + "&DC2=" + String(dc2) ;
                                                                                    <?php
if (client.connect(server,80)) // REPLACE WITH YOUR SERVER ADDRESS
                                                                                                                                                        Côté serveur
  client.println("POST /pfe/add.php/ HTTP/1.1");
  client.println("Host: 192.168.1.1"); // SERVER ADDRESS HERE TOO
  client.println("Content-Type: application/x-www-form-urlencoded");
  client.print("Content-Length: ");
  client.println(data.length());
                                                                                      include("connect.php");
  client.println();
                                                                                      $link=Connection();
  client.print(data);
                                                                                      $banc = $ POST["Banc"];
                                                                                       $tension1 = $ POST["DC1"];
                                                                                      $tension2 = $_POST["AC"];
if (client.connected()) {
                                                                                      $tension3 = $_POST["DC2"];
  client.stop(); // DISCONNECT FROM THE SERVER
                                                                                      $query = "INSERT INTO `Tensions` (`Banc`, `DC1`, `AC`, `DC2`)
VALUES ('".$banc."','".$tension1."','".$tension2."','".$tension3."')";
                                                                                      mysqli_query($link,$query);
                                                                                      mysqli_close($link);
                                                                               25 ?>
```







Valeurs mesurées								
Banc	Générateur 1	Générateur 2	Générateur 3	Date	Courbe			
1	345	15	35	2019-12-09 13:03:01				
2	145	346	250	2019-12-14 10:39:02				
3	3	0	148	2019-12-14 10:39:10				
4	2 16	287	0	2019-12-14 10:39:23				
5	100	0	150	2019-12-14 10:39:32				
6	0	0	147	2019-12-14 10:39:43				
7	169	347	0	2019-12-14 10:39:56				



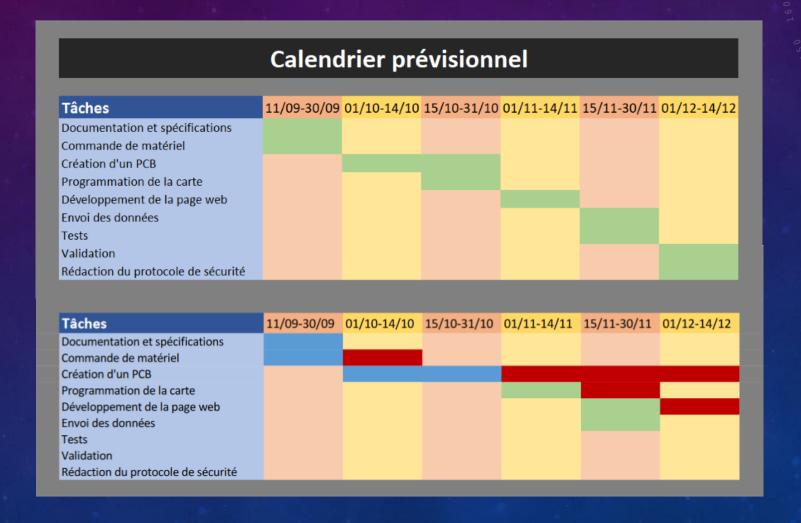


Retour à la page d'accueil

Test:

http://127.0.0.1/pfe/index.php

RETOUR SUR LA GESTION DU PROJET



RETOUR SUR LA GESTION DU PROJET

Description	Coût (€)
Afficheur n°1	9,9952
Afficheur n°2	10,7072
Afficheur n°3	9,9952
Récupération des tensions continues	26,1346
Récupération de la tension alternative	19,5629
Gestion du driver de LEDs	6,438
Envoi des données sur le réseau	7,3695
Traitement des données	9,8151
TOTAL	99,9727

CONCLUSION

- Cartes afficheurs conçues, gravées et testées
- Application web au point avec une partie historique ajoutée
- Envoi des données aux afficheurs et au réseau réussi avec une carte UNO et son shield Ethernet

QUESTIONS 23