

# **Projet E3D**

Ruaud Awen  
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# Table of Contents

Table of cont

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## Namespace Index

### Namespace List

Here is a list of all namespaces with brief descriptions:

<b>Controller</b> .....	2
<b>E3D_GestionModbus</b> .....	3

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## Class Index

### Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

<b>E3D_GestionModbus.GestionModbus (Classe GestionModbus )</b> .....	3
<b>RecuperationTarif (Classe RecuperationTarif )</b> .....	6

---

## File Index

### File List

Here is a list of all files with brief descriptions:

<b>/home/eleve/Documents/Projet E3D/Raspberry/Controller.py (Fichier Controller )</b> ....	6
<b>/home/eleve/Documents/Projet E3D/Raspberry/E3D_GestionModbus.py (Fichier GestionModbus )</b> .....	6

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## Namespace Documentation

### Controller Namespace Reference

#### Variables

```
int metrique = 0
a = GestionModbus(0)
```

---

## Variable Documentation

**Controller.a = GestionModbus(0)**

Definition at line 27 of file Controller.py.

**Controller.metrrique = 0**

Definition at line 24 of file Controller.py.

---

## E3D\_GestionModbus Namespace Reference

### Classes

class **GestionModbus**

*Classe GestionModbus. Variables*

int **metrique** = 0

**a** = **GestionModbus(0)**

---

## Variable Documentation

**E3D\_GestionModbus.a = GestionModbus(0)**

Definition at line 103 of file E3D\_GestionModbus.py.

**E3D\_GestionModbus.metrrique = 0**

Definition at line 100 of file E3D\_GestionModbus.py.

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## Class Documentation

### E3D\_GestionModbus.GestionModbus Class Reference

Classe **GestionModbus**.

#### Public Member Functions

def **\_\_init\_\_**(self, **sortieEnergieTotale**)

*Constructeur.*

def **connexionCompteur**(self)

*Connexion à l'esclave Modbus.*

def **recupererEnergie**(self)

*Traitement Modbus.*

def **publicationMetrique**(self)

*Publication MQTT.*

```
def get_energieTotale (self)  
    Récupérer énergie totale.
```

#### Public Attributes

```
data  
sortieEnergieTotale  
SERVER_HOST  
SERVER_PORT  
c  
client
```

---

#### Detailed Description

Classe **GestionModbus**.

Permet de gérer la récupération des métrique d'un compteur Modbus

##### Author:

Awen Ruaud

##### Version:

1.0

##### Date:

19 Mai 2021

Definition at line 21 of file E3D\_GestionModbus.py.

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#### Constructor & Destructor Documentation

```
def E3D_GestionModbus.GestionModbus.__init__ ( self, sortieEnergieTotale)
```

Constructeur.

Constructeur de la Classe

Definition at line 25 of file E3D\_GestionModbus.py.

---

#### Member Function Documentation

```
def E3D_GestionModbus.GestionModbus.connexionCompteur ( self)
```

Connexion à l'esclave Modbus.

Connexion Modbus.

0 Initialise la connexion avec l'esclave Modbus

Definition at line 41 of file E3D\_GestionModbus.py.

```
def E3D_GestionModbus.GestionModbus.get_energieTotale ( self)
```

Récupérer énergie totale.

Récupère l'energie totale du compteur Modbus

Definition at line 94 of file E3D\_GestionModbus.py.

**def E3D\_GestionModbus.GestionModbus.publicationMetrique ( self)**

Publication MQTT.

Publication métrique.

1 Publication du métrique reçu sur le broker MQTT

Definition at line 84 of file E3D\_GestionModbus.py.

**def E3D\_GestionModbus.GestionModbus.recupererEnergie ( self)**

Traitement Modbus.

Traitement Modbus.

2 Traite les registre de données reçu par le compteur Modbus

Definition at line 66 of file E3D\_GestionModbus.py.

---

## Member Data Documentation

### **E3D\_GestionModbus.GestionModbus.c**

Definition at line 46 of file E3D\_GestionModbus.py.

### **E3D\_GestionModbus.GestionModbus.client**

Definition at line 86 of file E3D\_GestionModbus.py.

### **E3D\_GestionModbus.GestionModbus.data**

Definition at line 29 of file E3D\_GestionModbus.py.

### **E3D\_GestionModbus.GestionModbus.SERVER\_HOST**

Definition at line 43 of file E3D\_GestionModbus.py.

### **E3D\_GestionModbus.GestionModbus.SERVER\_PORT**

Definition at line 44 of file E3D\_GestionModbus.py.

### **E3D\_GestionModbus.GestionModbus.sortieEnergieTotale**

Definition at line 32 of file E3D\_GestionModbus.py.

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**The documentation for this class was generated from the following file:**

3 /home/eleve/Documents/Projet E3D/Raspberry/**E3D\_GestionModbus.py**

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## RecuperationTarif Class Reference

Classe **RecuperationTarif**.

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### Detailed Description

Classe **RecuperationTarif**.

Permet de l'utilisation de toutes les classes

#### Author:

Awen Ruaud

#### Version:

1

#### Date:

31 Mai 2021

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The documentation for this class was generated from the following file:

4 /home/eleve/Documents/Projet E3D/Raspberry/**Controller.py**

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## File Documentation

### /home/eleve/Documents/Projet E3D/Raspberry/Controller.py File Reference

Fichier **Controller**.

#### Namespaces

**Controller**

#### Variables

int **Controller.metrique** = 0

**Controller.a** = GestionModbus(0)

---

### Detailed Description

Fichier **Controller**.

**Controller** synchronisant toutes les classes

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### /home/eleve/Documents/Projet E3D/Raspberry/E3D\_GestionModbus.py File Reference

Fichier **GestionModbus**.

## Classes

class E3D\_GestionModbus.GestionModbus

*Classe GestionModbus. Namespaces*

E3D\_GestionModbus

## Variables

int E3D\_GestionModbus.metrique = 0

E3D\_GestionModbus.a = GestionModbus(0)

---

## Detailed Description

Fichier GestionModbus.

Traitement des données Modbus

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# Index

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