

Doc\_car\_dashboard

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# Contents



# Chapter 1

## Hierarchical Index

### 1.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

|                                   |    |
|-----------------------------------|----|
| QGraphicsItem                     |    |
| cadrantVirtuel . . . . .          | ?? |
| jaugeVirtuel . . . . .            | ?? |
| objet_virtuel . . . . .           | ?? |
| afficheKmHenri . . . . .          | ?? |
| CadrantFlorian . . . . .          | ?? |
| cadrantHenri . . . . .            | ?? |
| clignotant . . . . .              | ?? |
| hugo_Compteur . . . . .           | ?? |
| hugo_ecran . . . . .              | ?? |
| hugo_MyGraphicsitem . . . . .     | ?? |
| hugo_voyant_warning . . . . .     | ?? |
| hugo_voyants_clignotant . . . . . | ?? |
| hugo_voyants_simples . . . . .    | ?? |
| jaugeBatterieHenri . . . . .      | ?? |
| jaugeClignotantHenri . . . . .    | ?? |
| jaugeEssenceHenri . . . . .       | ?? |
| jaugeTemperatureHenri . . . . .   | ?? |
| jaugeToursMinuteHenri . . . . .   | ?? |
| Jonas_compteur . . . . .          | ?? |
| Voyant . . . . .                  | ?? |
| warninghenri . . . . .            | ?? |
| sceneDeFond . . . . .             | ?? |
| sceneDeFondHenri . . . . .        | ?? |
| QGraphicsScene                    |    |
| scene_globale . . . . .           | ?? |
| henri_scene . . . . .             | ?? |
| hugo_scene . . . . .              | ?? |
| Jonas_scene . . . . .             | ?? |
| SceneFlorian . . . . .            | ?? |
| sceneGlobale . . . . .            | ?? |
| QMainWindow                       |    |
| MainWindow . . . . .              | ?? |
| MainWindow . . . . .              | ?? |
| MainWindow . . . . .              | ?? |



## Chapter 2

# Class Index

### 2.1 Class List

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

|   |    |
|---|----|
| <a href="#">afficheKmHenri</a>          | ?? |
| <a href="#">CadrantFlorian</a>          | ?? |
| <a href="#">cadrantHenri</a>            | ?? |
| <a href="#">cadrantVirtuel</a>          | ?? |
| <a href="#">clignotant</a>              | ?? |
| <a href="#">henri_scene</a>             | ?? |
| <a href="#">hugo_Compteur</a>           | ?? |
| <a href="#">hugo_ecran</a>              | ?? |
| <a href="#">hugo_MyGraphicsitem</a>     | ?? |
| <a href="#">hugo_scene</a>              | ?? |
| <a href="#">hugo_voyant_warning</a>     | ?? |
| <a href="#">hugo_voyants_clignotant</a> | ?? |
| <a href="#">hugo_voyants_simples</a>    | ?? |
| <a href="#">jaugeBatterieHenri</a>      | ?? |
| <a href="#">jaugeClignotantHenri</a>    | ?? |
| <a href="#">jaugeEssenceHenri</a>       | ?? |
| <a href="#">jaugeTemperatureHenri</a>   | ?? |
| <a href="#">jaugeToursMinuteHenri</a>   | ?? |
| <a href="#">jaugeVirtuel</a>            | ?? |
| <a href="#">Jonas_compteur</a>          | ?? |
| <a href="#">Jonas_scene</a>             | ?? |
| <a href="#">MainWindow</a>              | ?? |
| <a href="#">objet_virtuel</a>           | ?? |
| <a href="#">scene_globale</a>           | ?? |
| <a href="#">sceneDeFond</a>             | ?? |
| <a href="#">sceneDeFondHenri</a>        | ?? |
| <a href="#">SceneFlorian</a>            | ?? |
| <a href="#">sceneGlobale</a>            | ?? |
| <a href="#">Voyant</a>                  | ?? |
| <a href="#">warninghenri</a>            | ?? |



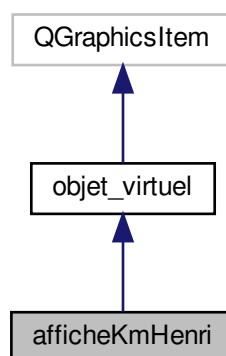


## Chapter 3

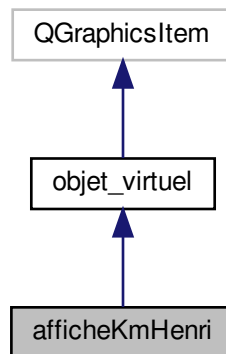
# Class Documentation

### 3.1 afficheKmHenri Class Reference

Inheritance diagram for afficheKmHenri:



Collaboration diagram for afficheKmHenri:



## Public Member Functions

- **afficheKmHenri** ([objet\\_virtuel](#) \*parent=nullptr)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

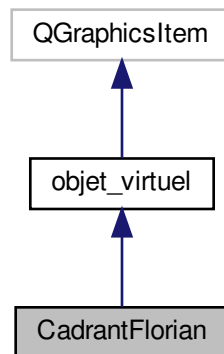
## Additional Inherited Members

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

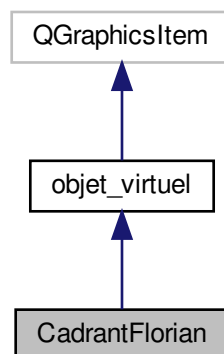
- Henri/affichekmhenri.h
- Henri/affichekmhenri.cpp

## 3.2 CadrantFlorian Class Reference

Inheritance diagram for CadrantFlorian:



Collaboration diagram for CadrantFlorian:



### Public Member Functions

- **CadrantFlorian** (bool hasText=true, bool hasSubTrait=true, int invertAiguille=1, int pas=10, int angleB=220, int angleE=260, int valeurMax=260, QGraphicsItem \*parent=NULL)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- float **generateAngle** ()
- int **getSpeedMax** ()

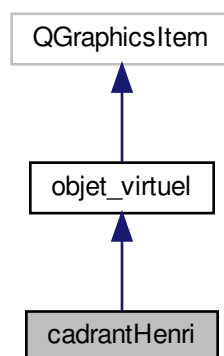
## Additional Inherited Members

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

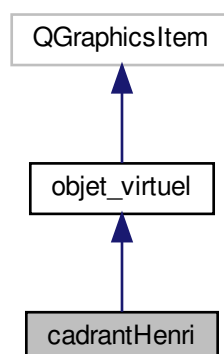
- Florian/cadrantflorian.h
- Florian/cadrantflorian.cpp

## 3.3 `cadrantHenri` Class Reference

Inheritance diagram for `cadrantHenri`:



Collaboration diagram for `cadrantHenri`:



### Public Member Functions

- **cadrantHenri** ([objet\\_virtuel](#) \*parent=nullptr)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

### Public Attributes

- int **epaisseurTraitVitesse**
- int **tailleTexteVitesse**

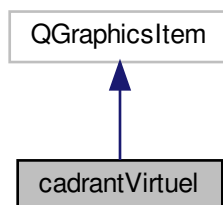
### Additional Inherited Members

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

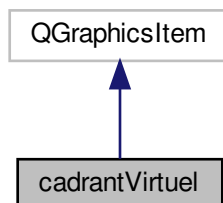
- Henri/cadranthenri.h
- Henri/cadranthenri.cpp

## 3.4 cadrantVirtuel Class Reference

Inheritance diagram for cadrantVirtuel:



Collaboration diagram for cadrantVirtuel:



## Public Member Functions

- **cadrantVirtuel** (QGraphicsItem \*parent=nullptr)
- int **getValeur** () const
- void **setValeur** (int value)
- int **getValeurMax** () const

## Protected Attributes

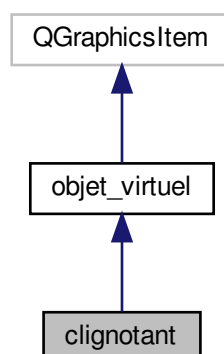
- int **valeur**
- int **valeurMax**

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

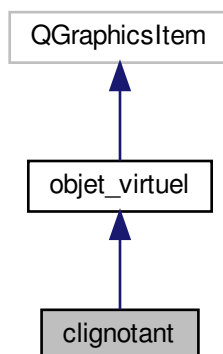
- Florian/cadrantvirtuel.h
- Florian/cadrantvirtuel.cpp

## 3.5 clignotant Class Reference

Inheritance diagram for clignotant:



Collaboration diagram for clignotant:



### Public Member Functions

- **clignotant** (`QGraphicsItem *parent=nullptr`)
- `QRectF` **boundingRect** () const
- void **paint** (`QPainter *painter`, const `QStyleOptionGraphicsItem *option`, `QWidget *widget`)
- void **clignoter** ()

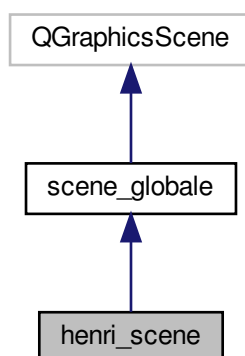
### Additional Inherited Members

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

- Florian/clignotant.h
- Florian/clignotant.cpp

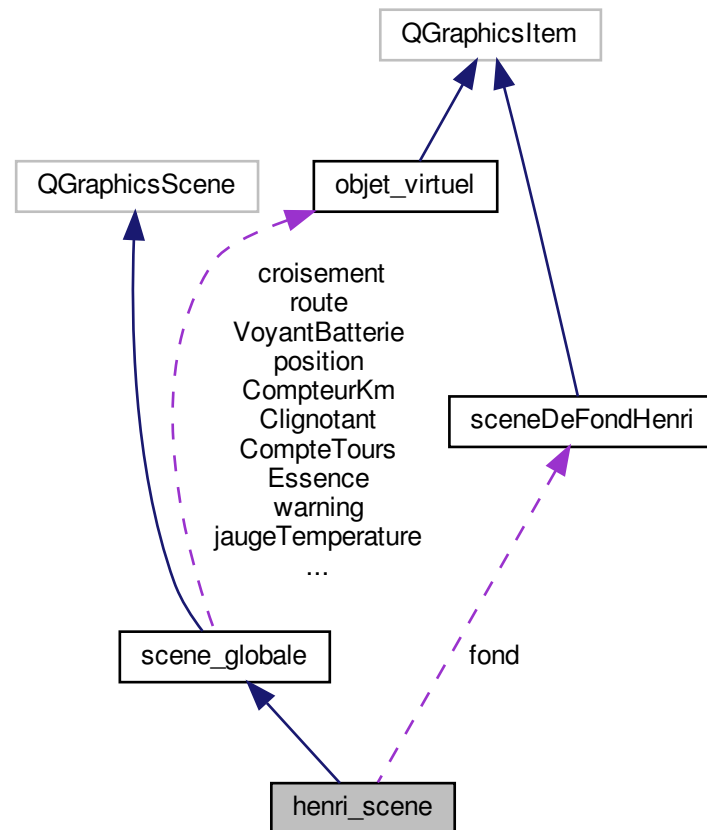
### 3.6 henri\_scene Class Reference

Inheritance diagram for henri\_scene:





Collaboration diagram for henri\_scene:



## Public Member Functions

- **henri\_scene** ([scene\\_globale](#) \*parent=nullptr)
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const

## Public Attributes

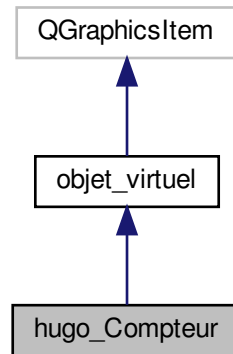
- [sceneDeFondHenri](#) \* **fond**

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

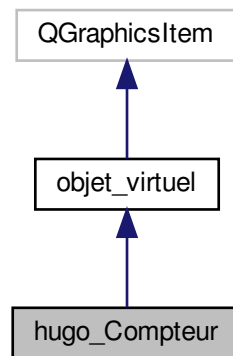
- Henri/henri\_scene.h
- Henri/henri\_scene.cpp

### 3.7 hugo\_Compteur Class Reference

Inheritance diagram for hugo\_Compteur:



Collaboration diagram for hugo\_Compteur:



#### Public Member Functions

- **hugo\_Compteur** (int, int, int, int, int, QStringList, int, int, int, int, int, int, int param\_critique=100, int red2=100, int green2=100, int blue2=100)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- void **Parametrage** (int param\_x, int param\_y, int param\_r, int param\_start\_angle, int param\_end\_angle, QStringList param\_graduations, int param\_value, int param\_r\_verre, int param\_direction\_grad, int red, int green, int blue, int param\_critique=100, int red2=100, int green2=100, int blue2=100)

## Protected Attributes

- int **x** =0
- int **y** =0
- int **r** =100
- int **start\_angle** =0
- int **end\_angle** =360
- int **nbre\_graduations** =12
- int **critique**
- int **angle** =0
- int **value2** =0
- int **r\_verre**
- int **direction\_grad** =1
- QColor **couleur** =QColor(100,100,100)
- QColor **couleur2** =QColor(100,100,100)
- QColor **couleurgrad** =QColor(100,100,100,50)
- QColor **couleurgrad2** =QColor(100,100,100,50)
- QStringList **graduations**

## Additional Inherited Members

### 3.7.1 Member Function Documentation

#### 3.7.1.1 paint()

```
void hugo_Compteur::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

<Mise en place Antialiasing//

La première étape est la création de l'arc de cercle servant de support au cadran. L'option critique permet d'ajouter une autre couleur à une partie du cadran

Création des graduations en deux boucles (grandes et petites graduations)

Ajout du texte sur les graduations

Mise en place de l'aiguille

<Cercle au centre de l'aiguille//

<Dégradé à la base de l'aiguille pour donner une impression de relief//

Création d'un polygone pour représenter l'aiguille, et affichage

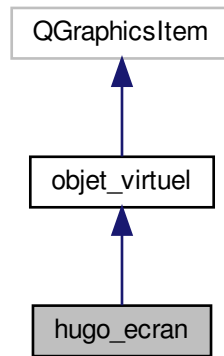
Affichage d'un effet verre en superposant un cercle transparent avec gradient blanc->noir sur le cadran//

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

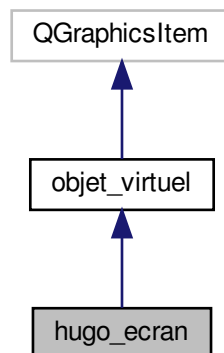
- Hugo/hugo\_compteur.h
- Hugo/hugo\_compteur.cpp

### 3.8 hugo\_ecran Class Reference

Inheritance diagram for hugo\_ecran:



Collaboration diagram for hugo\_ecran:



#### Public Member Functions

- `QRectF boundingRect () const`
- `void paint (QPainter *painter, const QStyleOptionGraphicsItem *option, QWidget *widget)`

#### Additional Inherited Members

##### 3.8.1 Member Function Documentation

### 3.8.1.1 paint()

```
void hugo_ecran::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

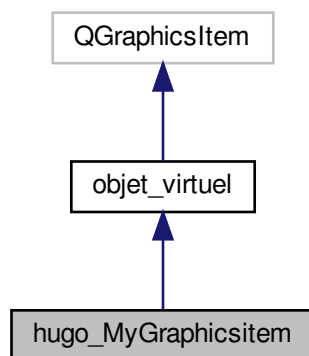
< Conversion pour avoir l'affichage sous forme heure.minutes

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

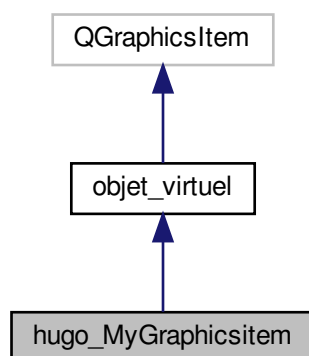
- Hugo/hugo\_ecran.h
- Hugo/hugo\_ecran.cpp

## 3.9 hugo\_MyGraphicsitem Class Reference

Inheritance diagram for hugo\_MyGraphicsitem:



Collaboration diagram for hugo\_MyGraphicsitem:



## Public Member Functions

- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

## Public Attributes

- int **current\_speed** =30
- QString **station** =""
- float **km** =0.0

## Additional Inherited Members

### 3.9.1 Member Function Documentation

#### 3.9.1.1 paint()

```
void hugo_MyGraphicsitem::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

<Antialiasing//

Création du fond (gradient ou image)

Création des arcs de cercles gris, et d'un fond noir pour poser les objects

Création de l'arc de cercle fermé bleu qui entoure le compteur de vitesse

Affichage de texte dans les différents compteurs

Création d'un afficheur. Affiche le temps réel, ainsi que la distance parcourue depuis le départ

Afficheur pour les stations de radios

Affichage régime moteur

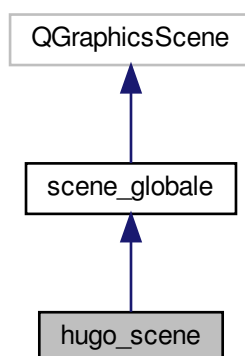
Affichage d'une icône jauge d'essence if (getValue()==1){///< Va chercher la valeur de la variable "valeur" de la classe mère. Si ==1, le voyant doit être affiché

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

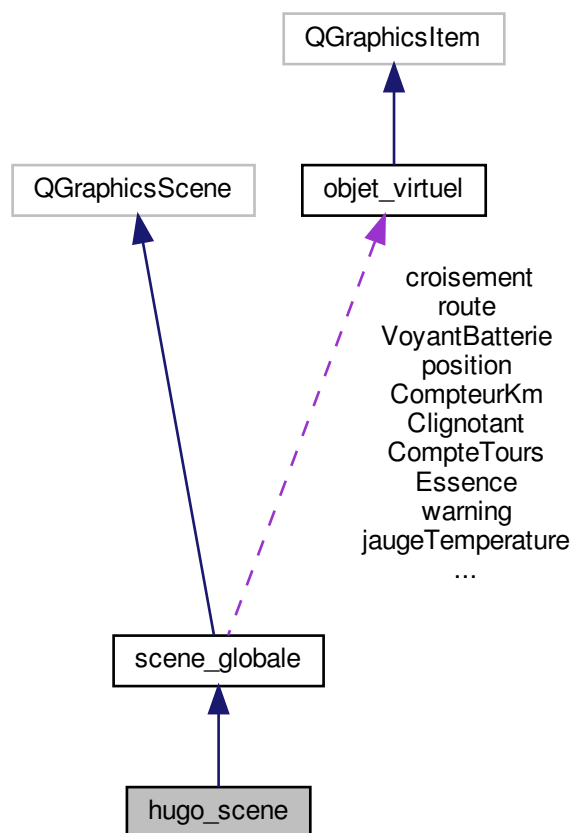
- Hugo/hugo\_mygraphicsitem.h
- Hugo/hugo\_mygraphicsitem.cpp

## 3.10 hugo\_scene Class Reference

Inheritance diagram for hugo\_scene:



Collaboration diagram for hugo\_scene:



## Public Member Functions

- `hugo_scene` (`scene_globale` \*parent=nullptr)

## Additional Inherited Members

### 3.10.1 Constructor & Destructor Documentation

#### 3.10.1.1 hugo\_scene()

```

hugo_scene::hugo_scene (
    scene_globale * parent = nullptr )
  
```

Création de la scène de fond



Déclaration et paramétrage de tous les compteurs

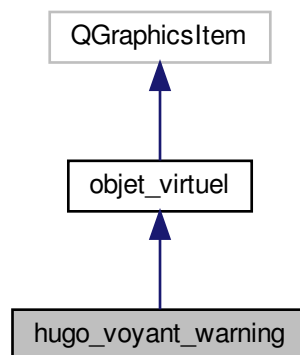
Déclaration et paramétrages de tous les voyants simples

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

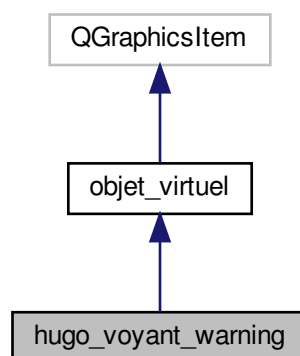
- Hugo/hugo\_scene.h
- Hugo/hugo\_scene.cpp

### 3.11 hugo\_voyant\_warning Class Reference

Inheritance diagram for hugo\_voyant\_warning:



Collaboration diagram for hugo\_voyant\_warning:



## Public Member Functions

- void [paint](#) (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const
- void [MAJ](#) ()

[hugo\\_voyants\\_clignotant::MAJ](#) Fonction de mise à jour de l'affichage. La valeur cligno controle l'opacité du painter, permettant de le rendre visible ou non

## Public Attributes

- int **cligno**

## Additional Inherited Members

### 3.11.1 Member Function Documentation

#### 3.11.1.1 [paint\(\)](#)

```
void hugo_voyant_warning::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

<Antialiasing//

Va chercher la valeur de la variable "valeur" de la classe hugo\_voyants. 1 correspond à l'affichage du clignotant droit, -1 à celui du clignotant gauche.

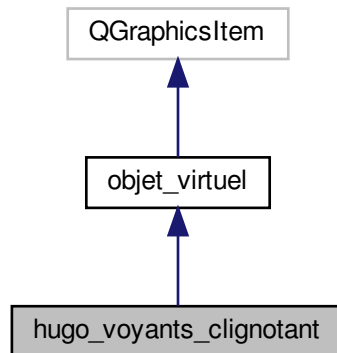
<La mise à jour est effectuée à l'aide d'un timer, permettant un affichage alterné

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

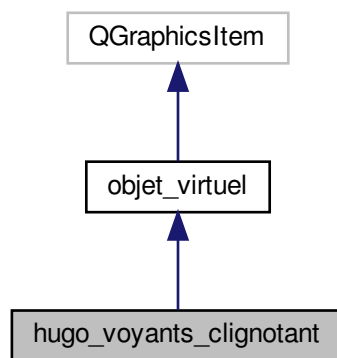
- Hugo/hugo\_voyant\_warning.h
- Hugo/hugo\_voyant\_warning.cpp

## 3.12 hugo\_voyants\_clignotant Class Reference

Inheritance diagram for hugo\_voyants\_clignotant:



Collaboration diagram for hugo\_voyants\_clignotant:



### Public Member Functions

- [hugo\\_voyants\\_clignotant \(\)](#)  
[hugo\\_voyants\\_clignotant::hugo\\_voyants\\_clignotant](#) Constructeur avec initialisation des paramètres de la classe
- void [paint](#) (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const
- void [MAJ](#) ()  
[hugo\\_voyants\\_clignotant::MAJ](#) Fonction de mise à jour de l'affichage. La valeur cligno controle l'opacité du painter, permettant de le rendre visible ou non

## Public Attributes

- int **cligno**

## Additional Inherited Members

### 3.12.1 Constructor & Destructor Documentation

#### 3.12.1.1 hugo\_voyants\_clignotant()

```
hugo_voyants_clignotant::hugo_voyants_clignotant ( )
```

[hugo\\_voyants\\_clignotant::hugo\\_voyants\\_clignotant](#) Constructeur avec initialisation des paramètres de la classe

Classe permettant d'afficher les voyants pouvant clignoter

### 3.12.2 Member Function Documentation

#### 3.12.2.1 paint()

```
void hugo_voyants_clignotant::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

<Antialiasing//

Va chercher la valeur de la variable "valeur" de la classe hugo\_voyants. 1 correspond à l'affichage du clignotant droit, -1 à celui du clignotant gauche.

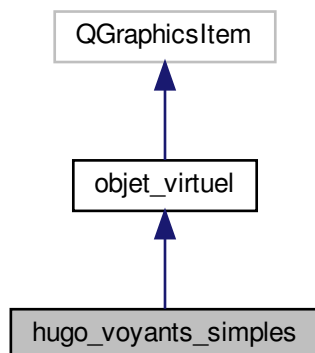
<La mise à jour est effectuée à l'aide d'un timer, permettant un affichage alterné

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

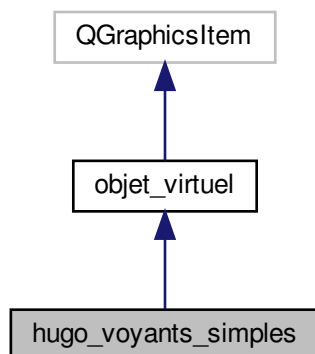
- Hugo/hugo\_voyants\_clignotant.h
- Hugo/hugo\_voyants\_clignotant.cpp

### 3.13 hugo\_voyants\_simples Class Reference

Inheritance diagram for hugo\_voyants\_simples:



Collaboration diagram for hugo\_voyants\_simples:



#### Public Member Functions

- [hugo\\_voyants\\_simples](#) (int, int, QString, int red=255, int green=0, int blue=0, int param\_size=30)  
*[hugo\\_voyants\\_simples::hugo\\_voyants\\_simples](#). Constructeur avec initialisation des paramètres de la classe.*
- void [paint](#) (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const

## Protected Attributes

- int **x**
- int **y**
- int **size** =30
- QString **chemin**
- QColor **couleur**

## Additional Inherited Members

### 3.13.1 Constructor & Destructor Documentation

#### 3.13.1.1 hugo\_voyants\_simples()

```
hugo_voyants_simples::hugo_voyants_simples (
    int param_x,
    int param_y,
    QString param_chemin,
    int red = 255,
    int green = 0,
    int blue = 0,
    int param_size = 30 )
```

[hugo\\_voyants\\_simples::hugo\\_voyants\\_simples](#). Constructeur avec initialisation des paramètres de la classe.

Classe permettant l'affichage de voyants simples i.e. dont l'état est allumé ou éteint

### 3.13.2 Member Function Documentation

#### 3.13.2.1 paint()

```
void hugo_voyants_simples::paint (
    QPainter * painter,
    const QStyleOptionGraphicsItem * option,
    QWidget * widget )
```

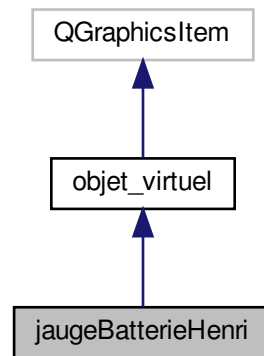
< Va chercher la valeur de la variable "valeur" de la classe mère. Si ==1, le voyant doit être affiché

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

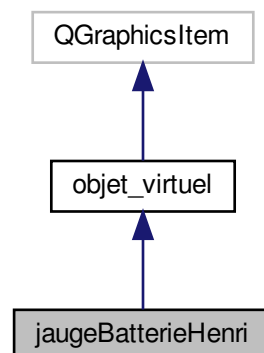
- Hugo/hugo\_voyants\_simples.h
- Hugo/hugo\_voyants\_simples.cpp

## 3.14 `jaugeBatterieHenri` Class Reference

Inheritance diagram for `jaugeBatterieHenri`:



Collaboration diagram for `jaugeBatterieHenri`:



### Public Member Functions

- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const

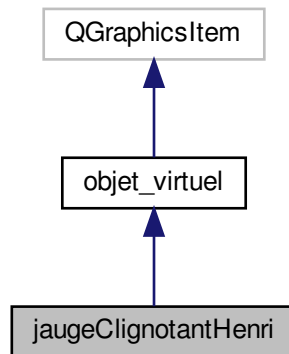
### Additional Inherited Members

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

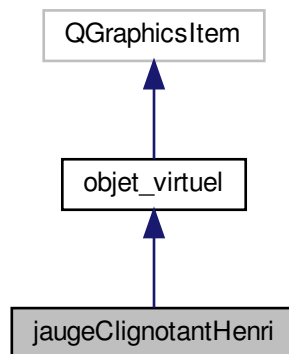
- `Henri/jaugebatteriehenri.h`
- `Henri/jaugebatteriehenri.cpp`

### 3.15 `jaugeClignotantHenri` Class Reference

Inheritance diagram for `jaugeClignotantHenri`:



Collaboration diagram for `jaugeClignotantHenri`:



#### Public Member Functions

- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)
- QRectF **boundingRect** () const
- void **MAJ** ()
- void **MAJ2** ()

#### Public Attributes

- int **cligno**



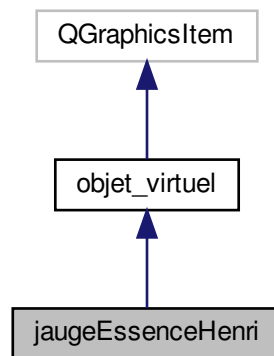
### Additional Inherited Members

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

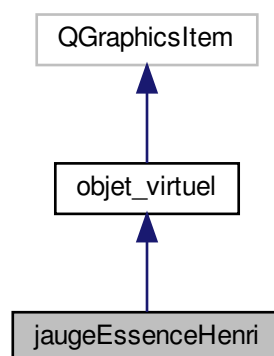
- `Henri/jaugeclignotanthenri.h`
- `Henri/jaugeclignotanthenri.cpp`

## 3.16 `jaugeEssenceHenri` Class Reference

Inheritance diagram for `jaugeEssenceHenri`:



Collaboration diagram for `jaugeEssenceHenri`:



### Public Member Functions

- **jaugeEssenceHenri** ([objet\\_virtuel](#) \*parent=nullptr)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

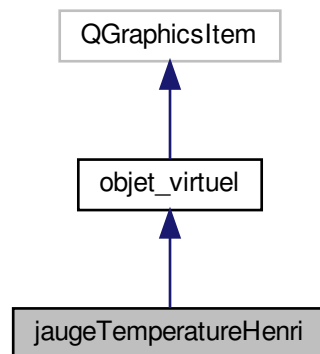
### Additional Inherited Members

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

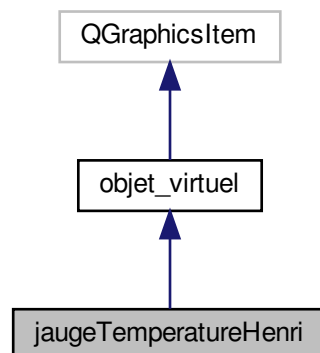
- Henri/jaugeessencehenri.h
- Henri/jaugeessencehenri.cpp

## 3.17 jaugeTemperatureHenri Class Reference

Inheritance diagram for jaugeTemperatureHenri:



Collaboration diagram for jaugeTemperatureHenri:



### Public Member Functions

- `QRectF boundingRect () const`
- `void paint (QPainter *painter, const QStyleOptionGraphicsItem *option, QWidget *widget)`

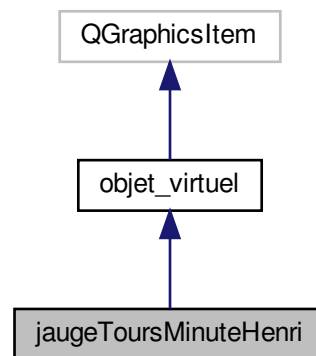
### Additional Inherited Members

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

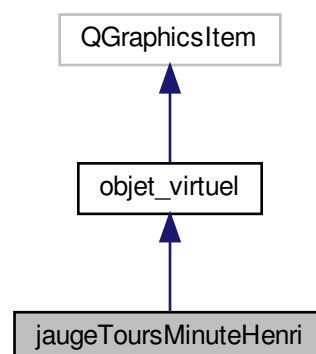
- `Henri/jaugetemperaturehenri.h`
- `Henri/jaugetemperaturehenri.cpp`

## 3.18 `jaugeToursMinuteHenri` Class Reference

Inheritance diagram for `jaugeToursMinuteHenri`:



Collaboration diagram for `jaugeToursMinuteHenri`:



### Public Member Functions

- **jaugeToursMinuteHenri** ([objet\\_virtuel](#) \*parent=nullptr)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

### Public Attributes

- int **epaisseurTraitToursMinure**
- int **tailleTextetoursMinute**
- QString **styleTexte**

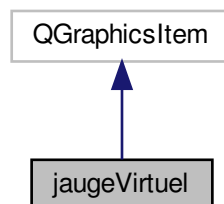
### Additional Inherited Members

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

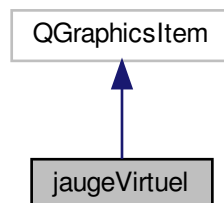
- Henri/jaugetoursminutehenri.h
- Henri/jaugetoursminutehenri.cpp

## 3.19 jaugeVirtuel Class Reference

Inheritance diagram for jaugeVirtuel:



Collaboration diagram for jaugeVirtuel:



### Public Member Functions

- **jaugeVirtuel** (QGraphicsItem \*parent=nullptr)
- int **getValeur** () const
- void **setValeur** (int value)
- int **getValeurMax** () const

### Protected Attributes

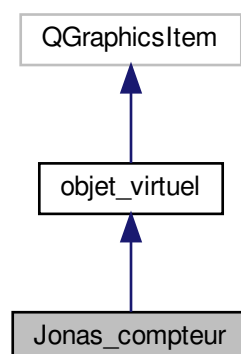
- int **valeur**
- int **valeurMax**

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

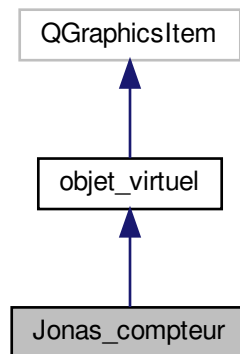
- Florian/jaugevirtuel.h
- Florian/jaugevirtuel.cpp

## 3.20 Jonas\_compteur Class Reference

Inheritance diagram for Jonas\_compteur:



Collaboration diagram for Jonas\_compteur:



## Public Member Functions

- **Jonas\_compteur** (int max, QStringList gradList, float startAngle, float endAngle, QString textCenter, int ngrad, bool line=0, int mod=2, int size=150)
- QRectF **boundingRect** () const override
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*, QWidget \*) override
- void **setTextLabel** (QString newText)
- void **setAlphaAngle** (float newAngle)
- void **setBetaAngle** (float newAngle)
- void **setGraduation** (int n)
- void **setHLine** (bool b)
- void **setMod** (int n)
- void **setGaugeSize** (int size)
- float **getAlpha** () const
- float **getBeta** () const
- int **getGaugeSize** () const
- QString **gettextLabel** () const
- float **speedToAngle** (float)

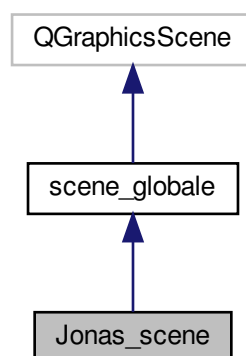
## Additional Inherited Members

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

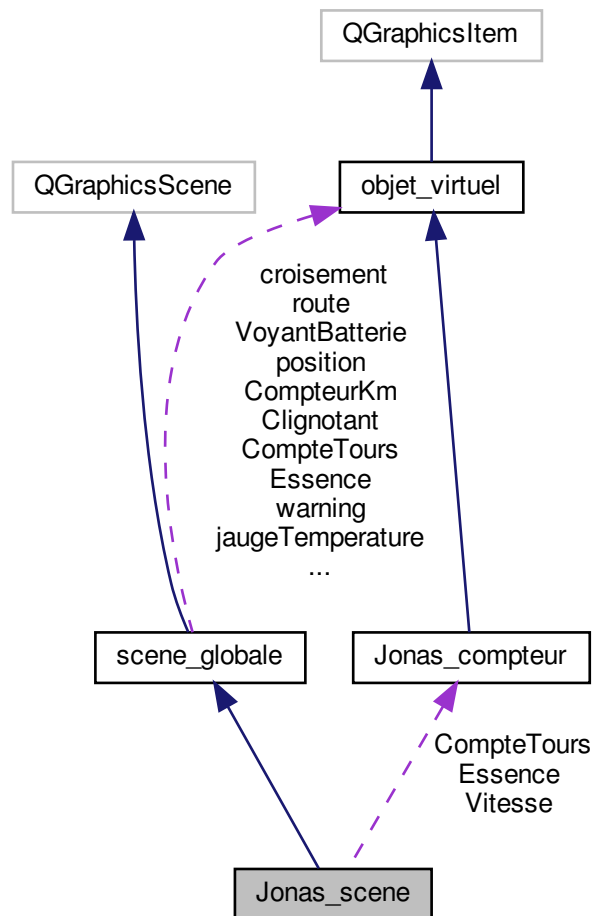
- Jonas/jonas\_compteur.h
- Jonas/jonas\_compteur.cpp

## 3.21 Jonas\_scene Class Reference

Inheritance diagram for Jonas\_scene:



Collaboration diagram for Jonas\_scene:



## Public Member Functions

- **Jonas\_scene** ([scene\\_globale](#) \*parent=nullptr)

## Public Attributes

- [Jonas\\_compteur](#) \* **Vitesse**
- [Jonas\\_compteur](#) \* **CompteTours**
- [Jonas\\_compteur](#) \* **Essence**

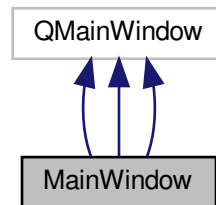
The documentation for this class was generated from the following files:

- Jonas/jonas\_scene.h
- Jonas/jonas\_scene.cpp

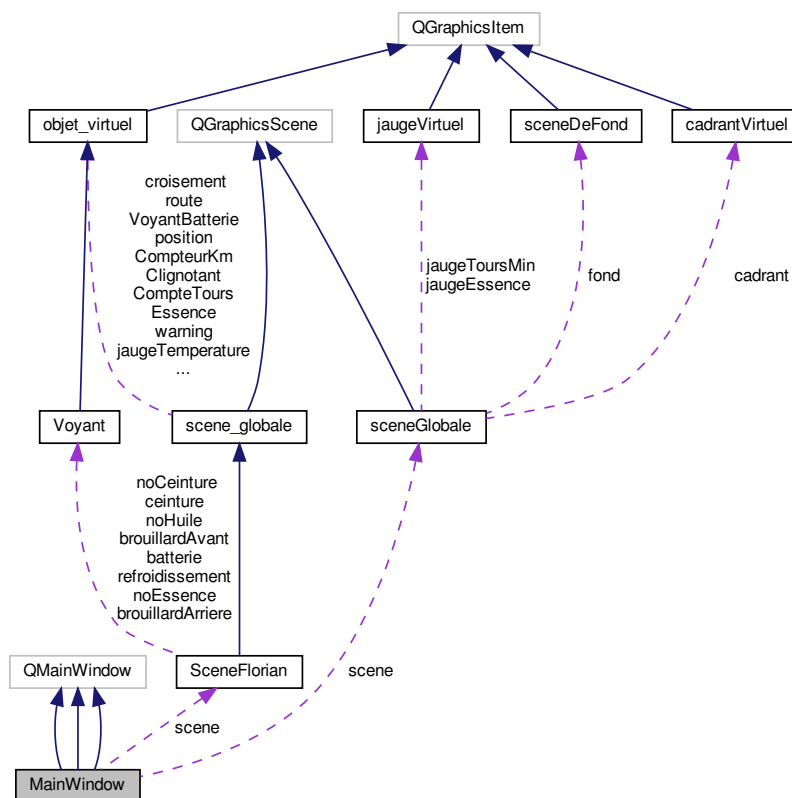


### 3.22 MainWindow Class Reference

Inheritance diagram for MainWindow:



Collaboration diagram for MainWindow:



## Public Member Functions

- **MainWindow** (QWidget \*parent=0)
- **MainWindow** (QWidget \*parent=0)
- void cli ()
- **MainWindow** (QWidget \*parent=0)

## Public Attributes

- [SceneFlorian](#) \* **scene**
- [sceneGlobale](#) \* **scene**

## 3.22.1 Constructor & Destructor Documentation

### 3.22.1.1 MainWindow()

```
MainWindow::MainWindow (
    QWidget * parent = 0 ) [explicit]
```

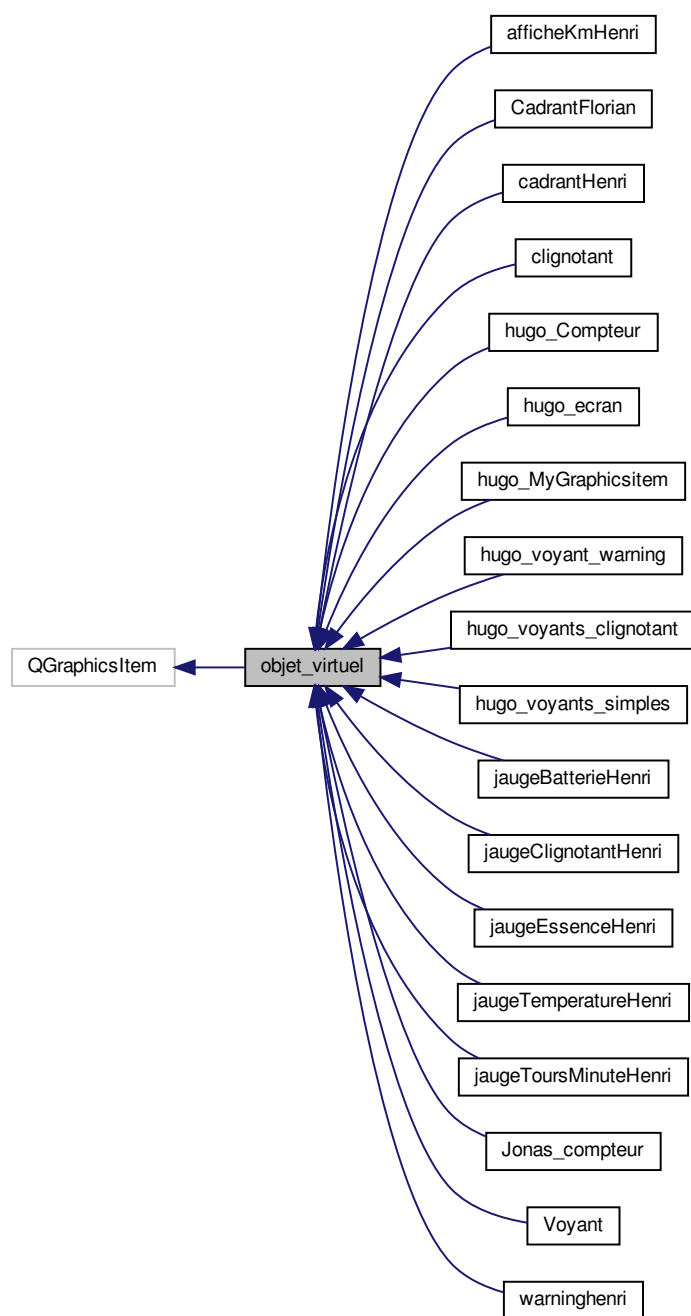
La scène par défaut est

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

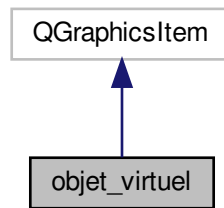
- Florian/mainwindow.h
- Florian/mainwindow.cpp

### 3.23 objet\_virtuel Class Reference

Inheritance diagram for objet\_virtuel:



Collaboration diagram for objet\_virtuel:



### Public Member Functions

- **objet\_virtuel** (QGraphicsItem \*parent=nullptr)
- int **getValue** () const
- void **setValue** (int value)
- int **getValueMax** () const

### Public Attributes

- QString **styleTexte**

### Protected Attributes

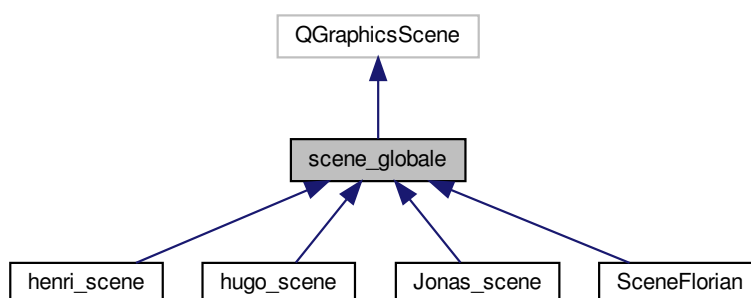
- int **value**
- int **valueMax**

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

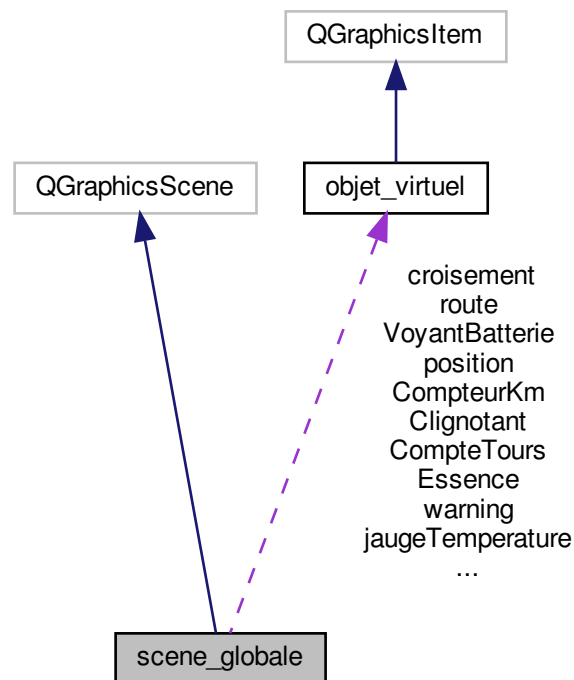
- objet\_virtuel.h
- objet\_virtuel.cpp

## 3.24 scene\_globale Class Reference

Inheritance diagram for scene\_globale:



Collaboration diagram for scene\_globale:



### Public Member Functions

- **scene\_globale** (QGraphicsScene \*parent=nullptr)

### Public Attributes

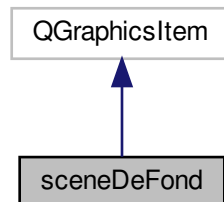
- [objet\\_virtuel](#) \* **Vitesse**
- [objet\\_virtuel](#) \* **Essence**
- [objet\\_virtuel](#) \* **CompteTours**
- [objet\\_virtuel](#) \* **jaugeTemperature**
- [objet\\_virtuel](#) \* **Clignotant**
- [objet\\_virtuel](#) \* **VoyantBatterie**
- [objet\\_virtuel](#) \* **position**
- [objet\\_virtuel](#) \* **croisement**
- [objet\\_virtuel](#) \* **route**
- [objet\\_virtuel](#) \* **warning**
- [objet\\_virtuel](#) \* **CompteurKm**

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

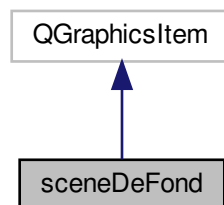
- scene\_globale.h
- scene\_globale.cpp

### 3.25 sceneDeFond Class Reference

Inheritance diagram for sceneDeFond:



Collaboration diagram for sceneDeFond:



#### Public Member Functions

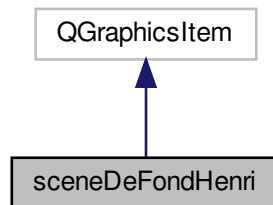
- **sceneDeFond** (QGraphicsItem \*parent=nullptr)

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

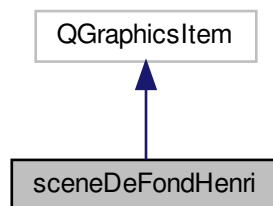
- Florian/scenedefond.h
- Florian/scenedefond.cpp

## 3.26 sceneDeFondHenri Class Reference

Inheritance diagram for sceneDeFondHenri:



Collaboration diagram for sceneDeFondHenri:



### Public Member Functions

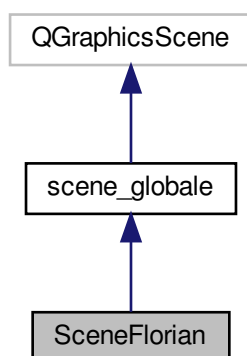
- **sceneDeFondHenri** (`QGraphicsItem *parent=nullptr`)
- void **paint** (`QPainter *painter`, `const QStyleOptionGraphicsItem *option`, `QWidget *widget`)
- `QRectF` **boundingRect** () const

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

- `Henri/scenedefondhenri.h`
- `Henri/scenedefondhenri.cpp`

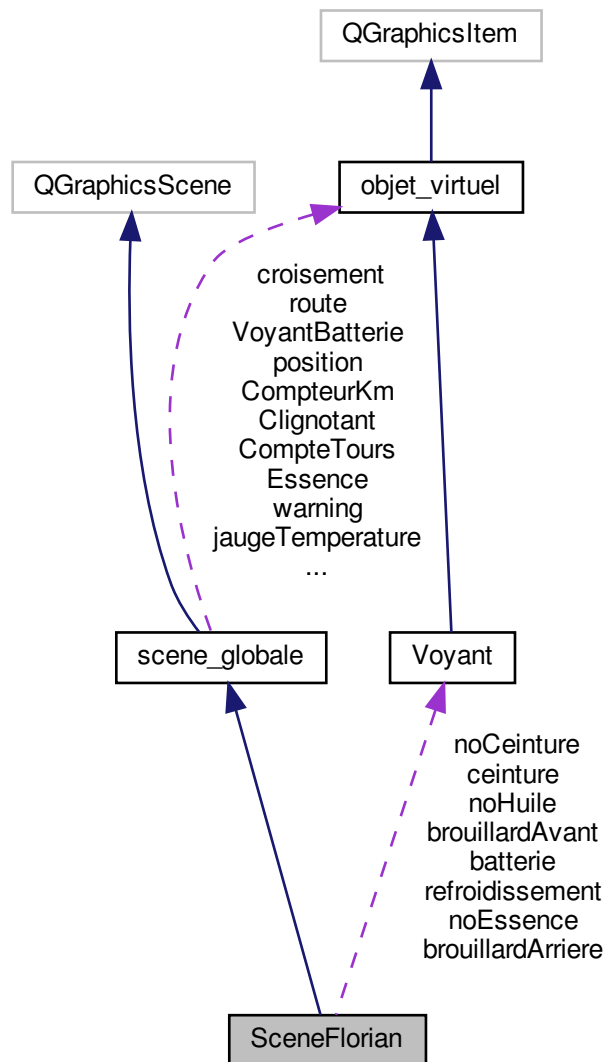
### 3.27 SceneFlorian Class Reference

Inheritance diagram for SceneFlorian:





Collaboration diagram for SceneFlorian:



### Public Member Functions

- **SceneFlorian** (**QGraphicsScene** \*parent=nullptr)

### Public Attributes

- **Voyant** \* **brouillardAvant**
- **Voyant** \* **brouillardArriere**
- **Voyant** \* **noEssence**
- **Voyant** \* **noHuile**
- **Voyant** \* **refroidissement**

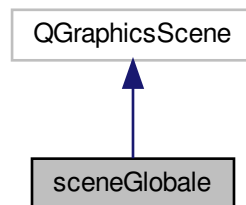
- [Voyant](#) \* **batterie**
- [Voyant](#) \* **ceinture**
- [Voyant](#) \* **noCeinture**

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

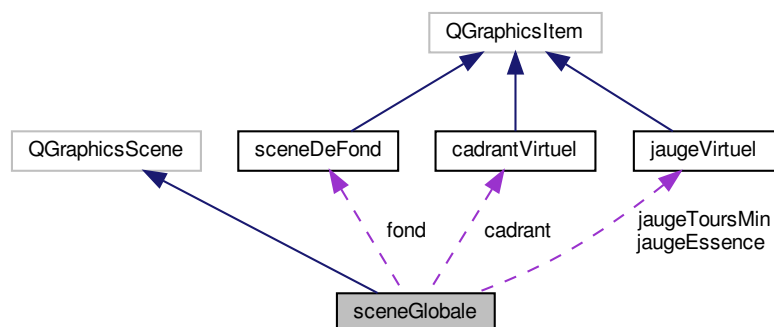
- Florian/sceneflorian.h
- Florian/sceneflorian.cpp

### 3.28 sceneGlobale Class Reference

Inheritance diagram for sceneGlobale:



Collaboration diagram for sceneGlobale:



#### Public Member Functions

- **sceneGlobale** (`QGraphicsScene *parent=nullptr`)

### Public Attributes

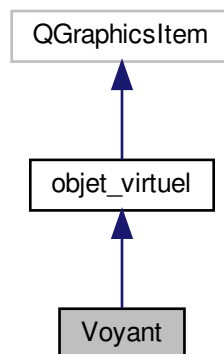
- [sceneDeFond](#) \* **fond**
- [cadrantVirtuel](#) \* **cadrant**
- [jaugeVirtuel](#) \* **jaugeEssence**
- [jaugeVirtuel](#) \* **jaugeToursMin**

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

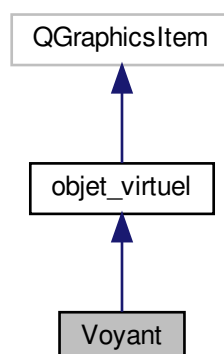
- Florian/sceneglobale.h
- Florian/sceneglobale.cpp

## 3.29 Voyant Class Reference

Inheritance diagram for Voyant:



Collaboration diagram for Voyant:



### Public Member Functions

- **Voyant** (QPixmap map, QGraphicsItem \*parent=nullptr)
- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

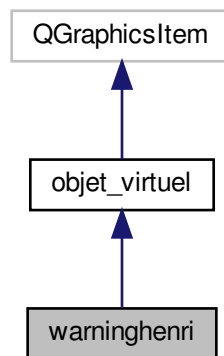
### Additional Inherited Members

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

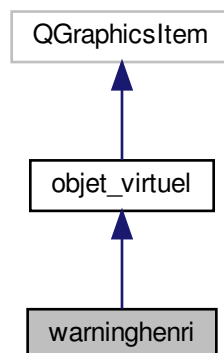
- Florian/voyant.h
- Florian/voyant.cpp

## 3.30 warninghenri Class Reference

Inheritance diagram for warninghenri:



Collaboration diagram for warninghenri:



### Public Member Functions

- QRectF **boundingRect** () const
- void **paint** (QPainter \*painter, const QStyleOptionGraphicsItem \*option, QWidget \*widget)

### Additional Inherited Members

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

- Henri/warninghenri.h
- Henri/warninghenri.cpp

