C objectTracking

private:
- ☐ image_transport
- ☐ Subscriber sub
- ☐ string nameOriginal
- ☐ string nameHSV
- ☐ string nameFilter
- ☐ string nameCentroid
- ☐ Mat ImgHSV
- ☐ Mat ImgOpening
- ☐ Mat ImgClosing
- ☐ Mat ImgCentroid

public:
- ○ Mat Img
- ○ int imageX
- ○ int imageY
- ○ uint16_t posX
- ○ uint16_t posY
- ○ uint16_t lastX
- ○ uint16_t lastY

- ● objectTracking(image_transport::ImageTransport *it)
- ● ~objectTracking()
- ● void callBack(const sensor_msgs::ImageConstPtr &msg_)
- ● void imageViewer(Mat &Image, string _windowName)
- ● void rgb2hsv(Mat &_Image, Mat &Image_)
- ● void morphologyOperation(Mat &_Image, Mat &Image_, int oper, int size, int elemen)
- ● void centroid(Mat &_Image, uint16_t &x, uint16_t &y)
- ● void drawCentroid(Mat &_Image, Mat &Image_, uint16_t posx, uint16_t posy, uint16_t lastx, uint16_t lasty)
- ● void publishCoordinates(int _x, int _y)