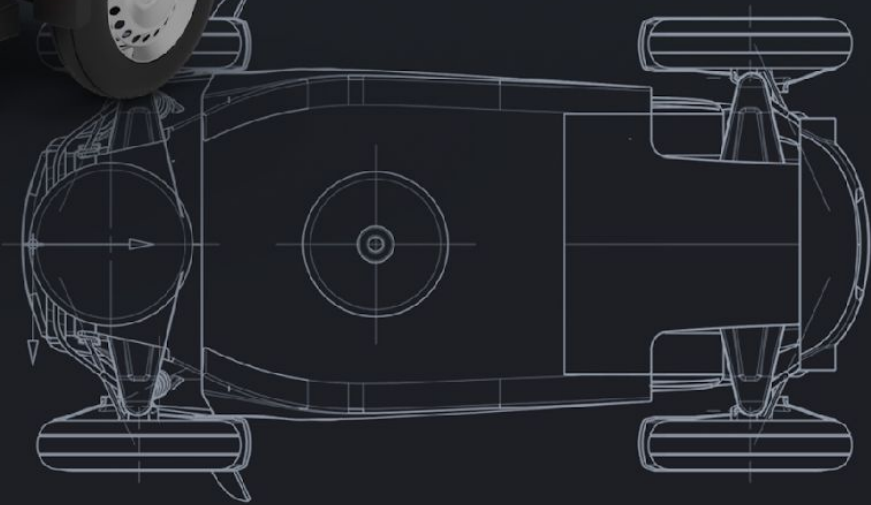
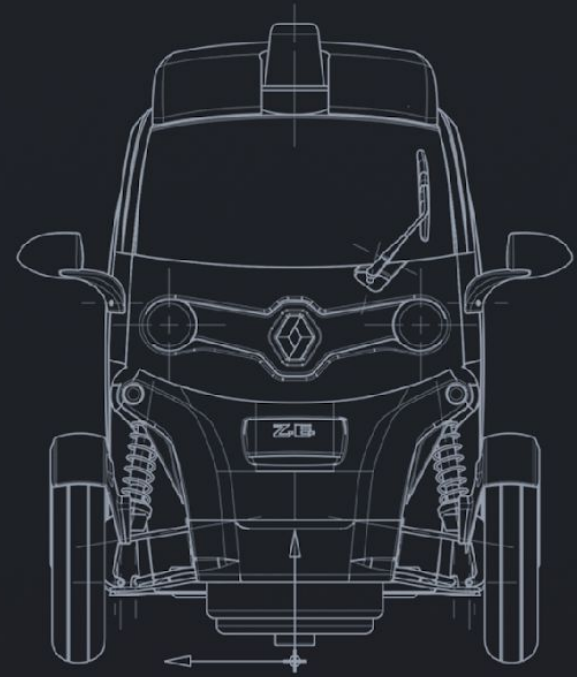


# TWIZY LINE





# IDEA

This concept, as we believe, is very important for any city, because our car is able to transform the whole city and it also can make a city safer.



# OUR CONCEPT

The main goal of our project is improving urban infrastructure and helping people with disabilities, especially the visually impaired and blind people with the help of road marking.

# GOAL



•analyze the usage statistics

•find analogues that are currently on the market

•develop a concept, that fulfills the objectives of the project and the technical task

•analyze the market

•pick up marking devices suitable for Renault Twizy

•analyze the usage statistics

# COMPETITORS

Direct



**Kontur 650 HPE**

**164495 \$**



**Kontur 300**

**87818 \$**



**Шмель 11А**

**26005 \$**

# COMPETITORS

Indirect



**ASPRO-5000RL**

**3050 \$**



**Contour 30**

**8713 \$**



**HVBAN-3400RL**

**3781 \$**



# STATISTICS



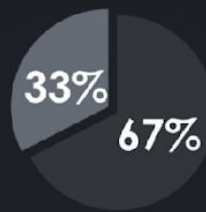
Is the size of the marking machine important?




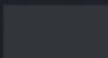
Would you like the markup to be applied without blocking the roads?



Is the speed of marking important?



Would you like to have one marking machine with the plug-in modules rather than a several big cars?

 No  
 Yes

Based on the responses of 350 people, we can make a conclusion

# ADVANTAGE



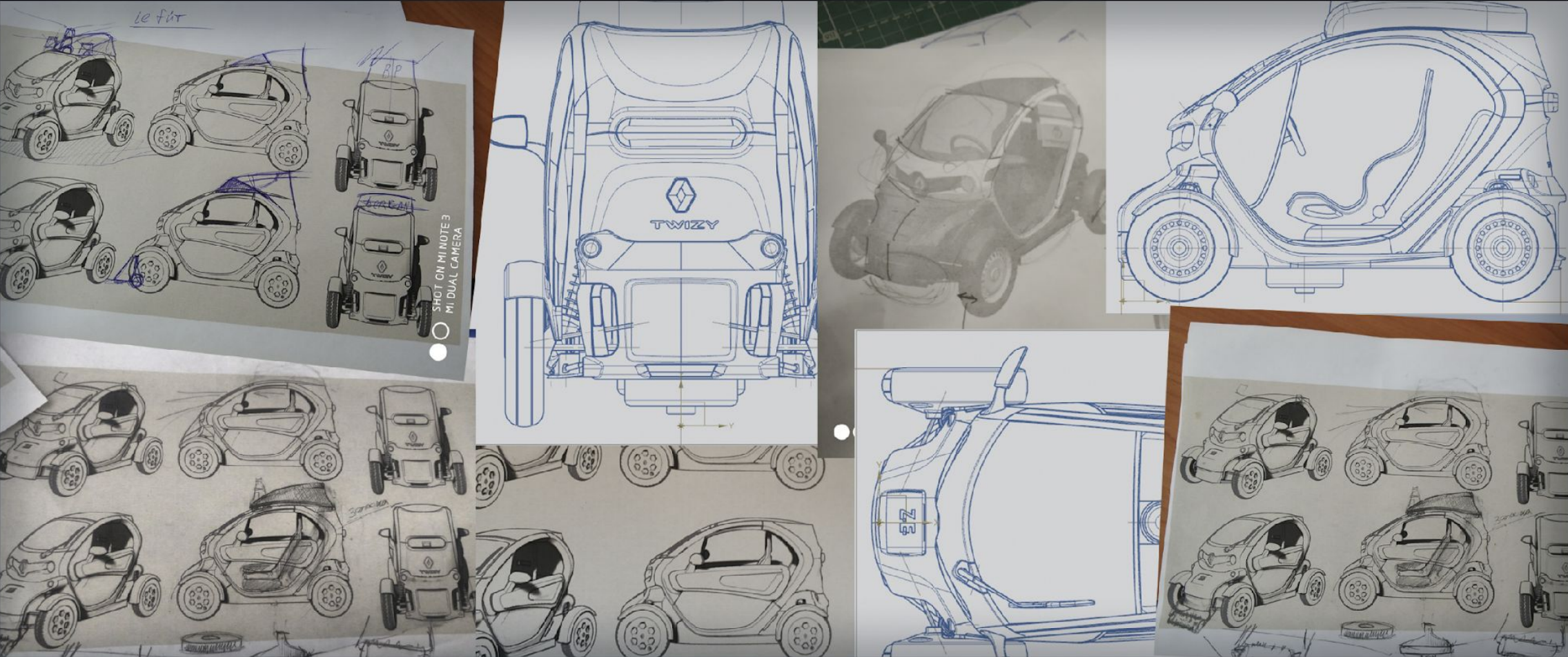
•city service and people during marking)

•bright and recognizable design and people during marking)

•small size of the car itself ( it will not interfere with city traffic and people during marking)

•minimum manpower (only one person is needed, that would control the marking and the machine itself) and people during marking)

# SKETCHES



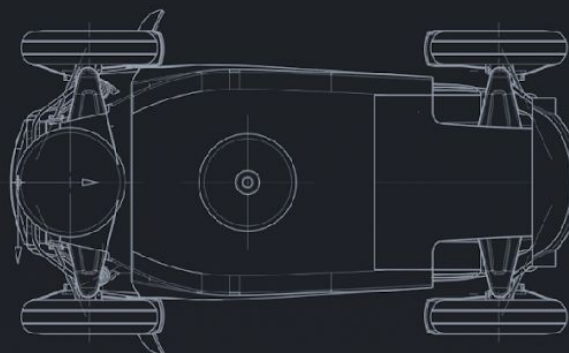
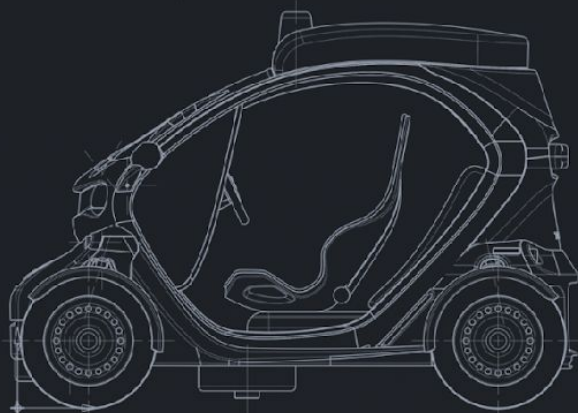
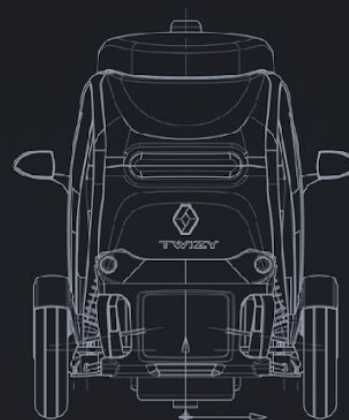
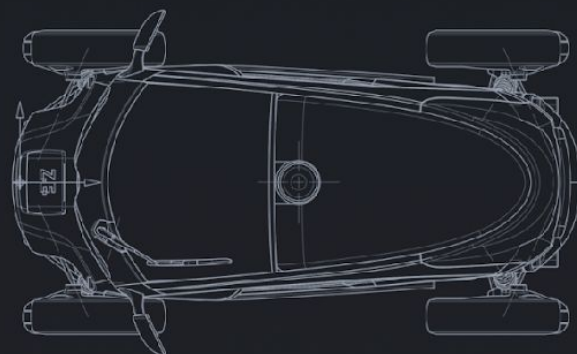


# 3D SERCH



# PLAN

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**Technical characteristics of the spraying device:**

- **Input voltage: 85-260V**
- **Frequency 47-440 Hz**
- **40W power consumption**
- **Rated output current 1.2A**
- **Temperature range of application 0-40 degrees Celsius**
- **Maximum air inlet pressure 10 bar**
- **Minimum air inlet pressure 6 bar**
- **Maximum compressed air consumption of 11 cubic meters / hour**
- **Weight about 45kg**
- **Flow adjustment occurs remotely on the control unit**



# TECHNICAL CHARACTERISTICS



# FINAL RESULT

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9400 \$



# ENVIRONMENT

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**● THANKS FOR WATCHING**