



**JOEL MARTIN**  
**BUSINESS DEVELOPER**

  
**VEGA**  
CHARGERS

# MY EXPERIENCE



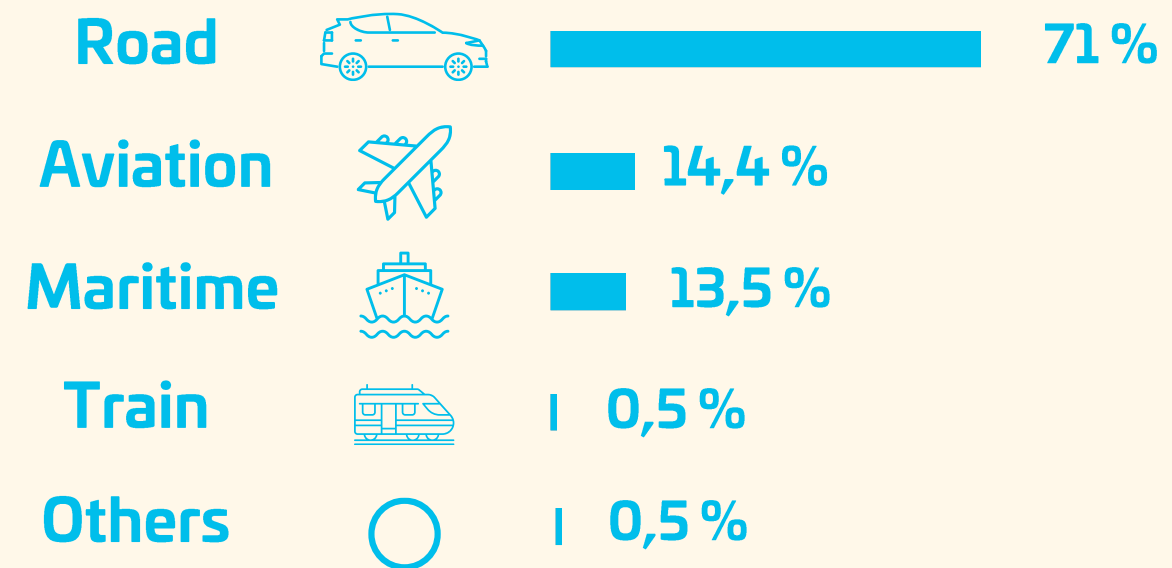
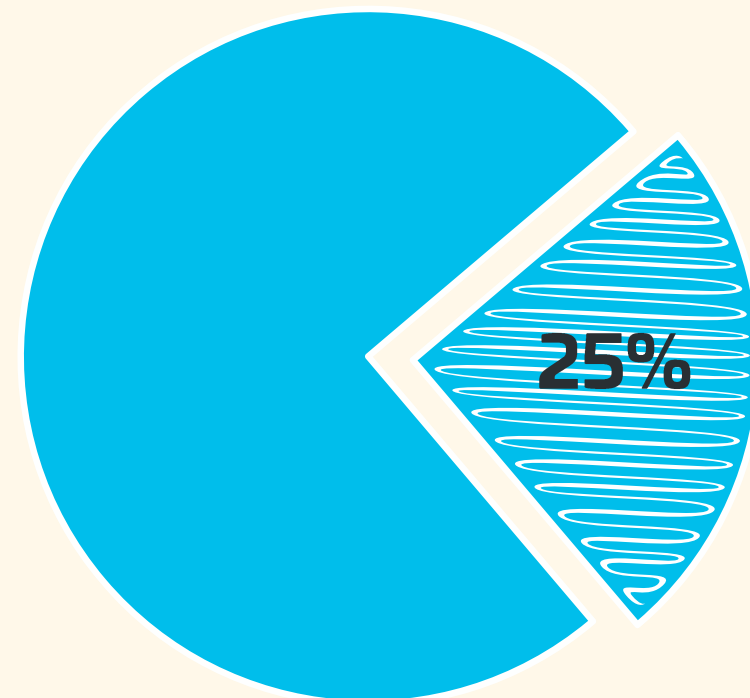
# AFIR AND CHARGING INFRAESTRUCTURE INNOVATIONS

by

  
**VEGA**  
CHARGERS

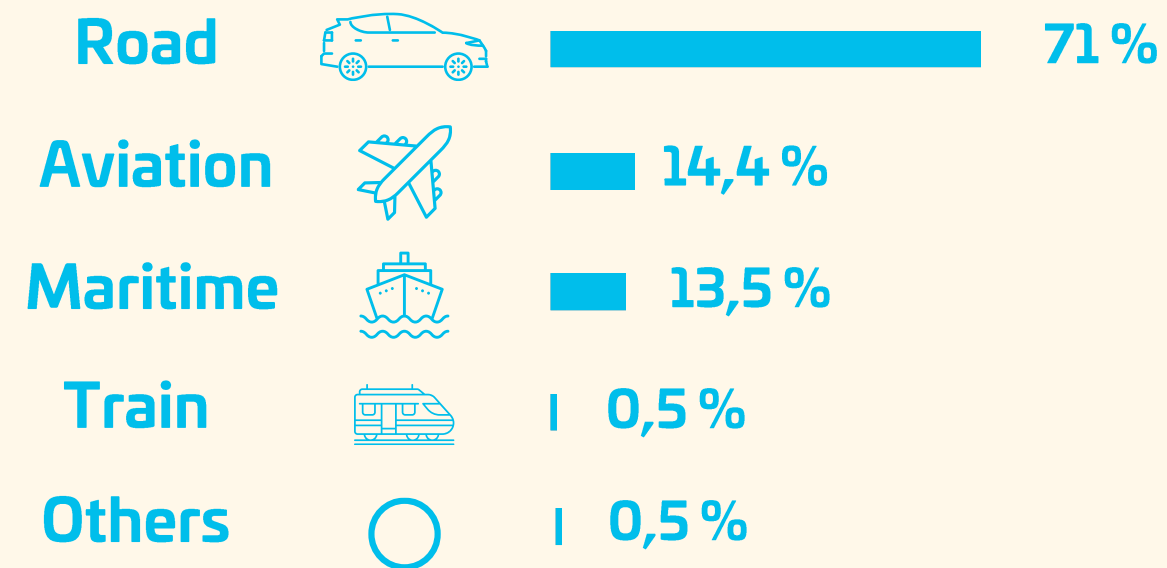
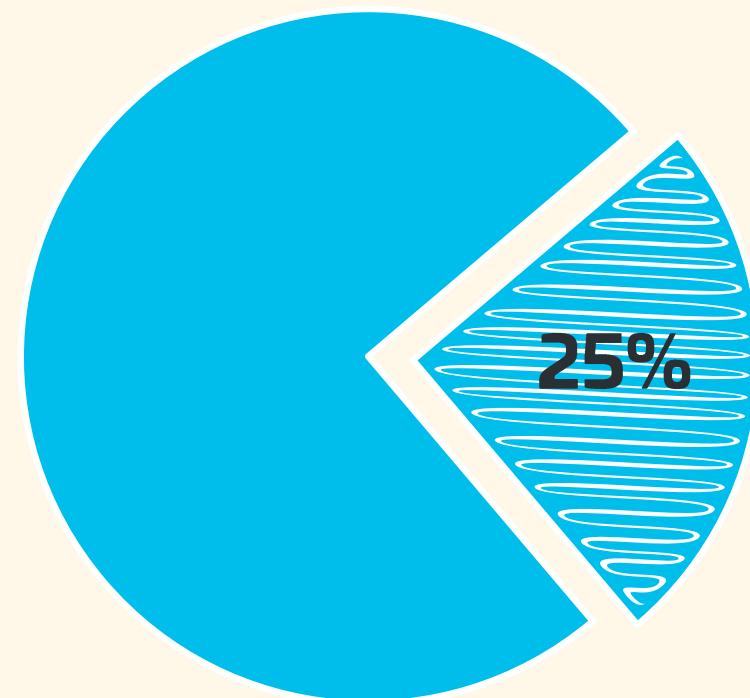


# TRANSPORT IS RESPONSIBLE FOR ~25% OF GREENHOUSE GAS EMISSIONS IN THE EU





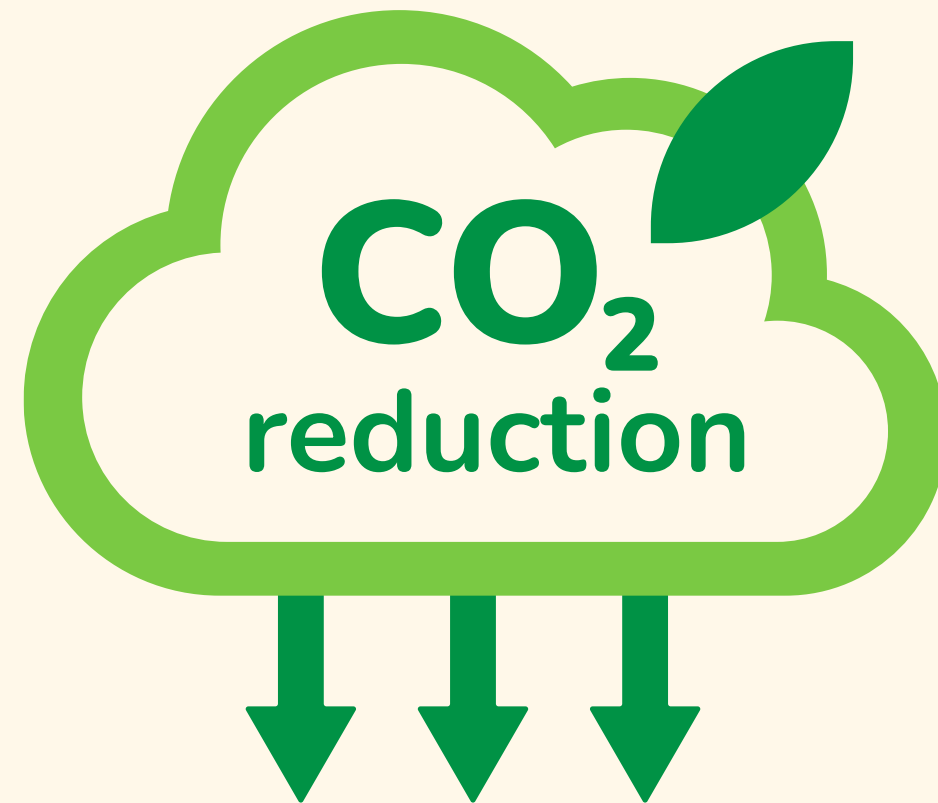
# TRANSPORT IS RESPONSIBLE FOR ~25% OF GREENHOUSE GAS EMISSIONS IN THE EU



**Europe  
needs us!**

# TOWARDS SUSTAINABLE TRANSPORT: AFIR

AFIR: Alternative Fuels Infraestructure  
Regulation



More Electric  
Vehicles  
=  
Fewer Emissions



# AFIR MAIN TARGETS

2023

EU member states together with the council reached a deal on AFIR in July 2023

1

2025

At least 2 charging points of 350 kW for heavy duty in each safe and secure parking area every 60 km along core TEN-T network

2

2025

At least 150 kW for cars and vans every 60 km along TEN-T network

3

4

2027

At least 4 charging points of 350 kW for heavy duty in each safe and secure parking area every 60 km along core TEN-T network

2030

Full coverage of TEN-T network for Heavy Duty, Cars and Vans with number of charging points growing with the number of registered cars.

5

# AFIR MAIN TARGETS

2030

Full coverage of TEN-T network for Heavy Duty, Cars and Vans with number of charging points growing with the number of registered cars.



2027

At least 4 charging points of 350 kW for heavy duty in each safe and secure parking area every 60 km along core TEN-T network



2025

At least 2 charging points of 350 kW for heavy duty in each safe and secure parking area every 60 km along core TEN-T network



2025

At least 150 kW for cars and vans every 60 km along TEN-T network

2023

EU member states together with the council reached a deal on AFIR in July 2023





# WHAT IS OUR PROPOSAL?

In VEGA Chargers we are committed with the future of e-mobility and we are aware of the difficulties both of the charging infrastructure and the uncertainty of the EV sector.

That's why we have developed a solution that is modular and upgradeable, a perfect match for all customers



**HPC Constellation**  
**720 kW**

# HPC CONSTELLATION 720 KW



Dynamic distribution of the 720 kW



Modular charging up to 480 kW



Maximise the energy supplied



Simultaneous charging up to 12 vehicles



Ideal for charges between 5 min and 15 min



Scalable and modular solution



# STAND-ALONE



**Cannot share power between dispensers**



**Higher contracted power and over-sizing of the installation**



**Underutilisation of the available power**



**Do not support upgrading to higher power, need to purchase another EV charger**

# HPC CONSTELLATION



**Dynamic load distribution of the available 720 kW**



**Minimisation of contracted power**



**Maximisation of supplied energy = increase in the incomes**



**Upgrade available, just add another Power Unit for 720 kW extra**

# FASTER, FURTHER



**ALOHA GRAVITY 30 kW**



**ALOHA LANDER 60 kW**



**HPC CONSTELLATION 720 kW**



# FASTER, FURTHER



**ALOHA GRAVITY 30  
kW**



**ALOHA LANDER 60 kW**



**HPC CONSTELLATION 720 kW**



**ALOHA LANDER PLUS 160 kW**





**JOEL MARTIN**  
Business Developer

**BARCELONA**  
**SPAIN**



**WANT TO KNOW MORE?**

**THANK YOU!**

**JOIN US FOR MORE INFORMATION  
AT BOOTH 03.142B**

  
**VEGA**  
CHARGERS