



WORKSHOP, 1 SEPTEMBER 2022

---

# **ACEA-ESPORG ONLINE WORKSHOP: ALTERNATIVE CHARGING INFRASTRUCTURE AT TRUCK PARKING AREAS**

## ESPORG INPUT



I. Truck parking areas as mobility hubs

II. Technological options

III. Status Quo

IV. The road ahead: requirements and open points

# WHY TRUCK PARKING AREAS ARE IDEAL FOR ALTERNATIVE FUELS



- ▶ Truck parking areas are ideally positioned to serve as “mobility hubs” for all kinds of charging and/or refuelling options:
  - Location of SSTPAs at key transport junctions
  - Existing “traditional” fuelling infrastructure on many SSTPAs
  - Existing or planned renewable integration in many cases (hinterland access to solar/wind energy, renewable energy onsite)
  - First steps towards LNG and electrification ongoing



I. TRUCK PARKING AREAS AS MOBILITY HUBS

SOME SHOWCASES



Truck Etape  
Béziers

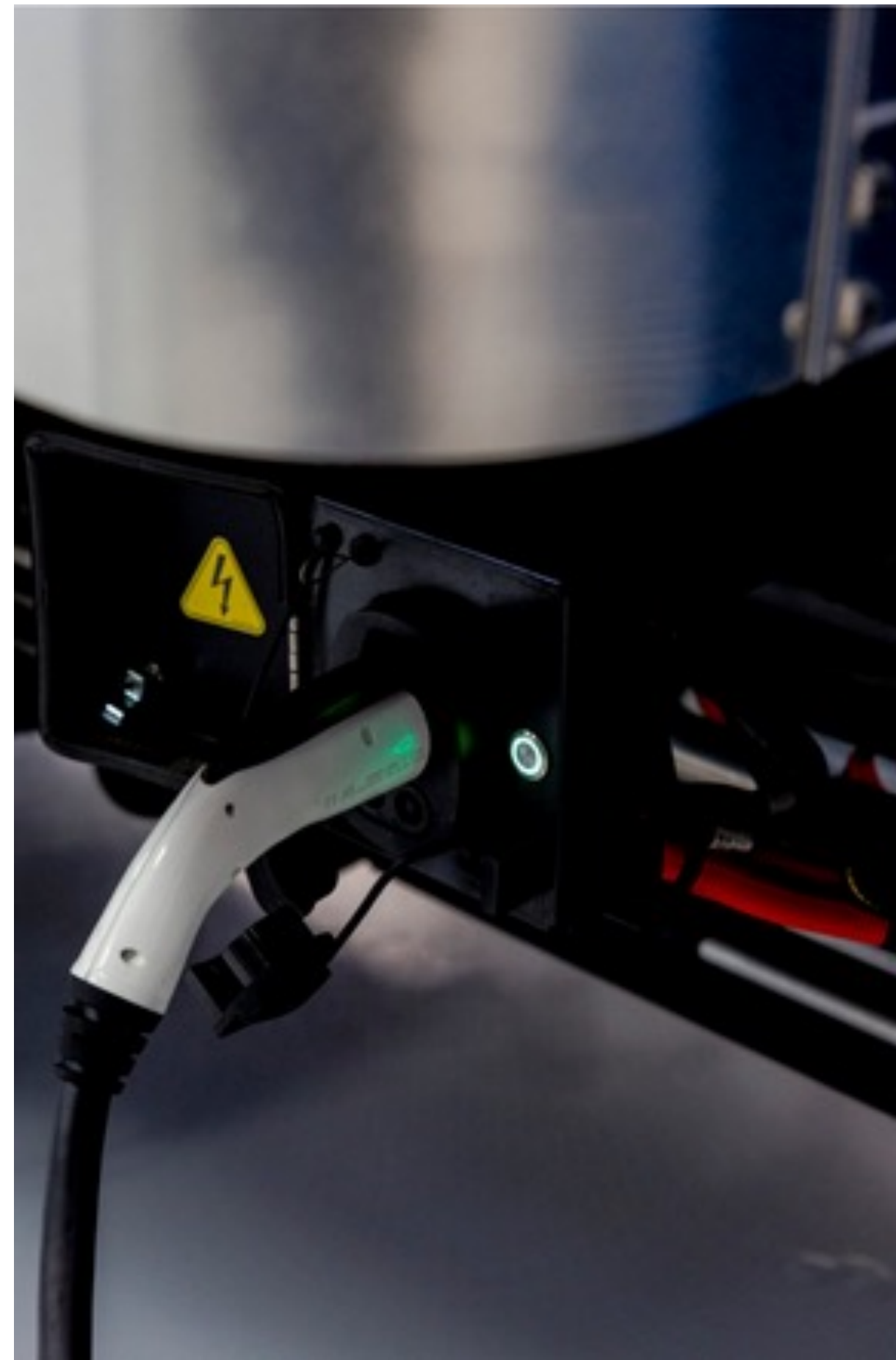




# SECTOR TRENDS AS PERCEIVED BY TRUCK PARKING AREAS



- ▶ Alternative propulsion systems:
  - Hybrid charging
  - Fully electric charging
  - Hydrogen stations
- ▶ LNG
- ▶ E-fuels (?)





# CHALLENGES

- ▶ Chicken-and-the egg dilemma (not new)
- ▶ Infrastructure suppliers
- ▶ Truck models
- ▶ Grid connection (feasibility and cost)
- ▶ Network effect
- ▶ First mover risk



---

*The New York Times*

---

### ***Truck Makers Face a Tech Dilemma: Batteries or Hydrogen?***

Under pressure to cut emissions, truck manufacturers are choosing between batteries and hydrogen fuel cells. Wagering incorrectly could cost them billions of dollars.



## FEASABILITY



- ▶ E-fuels are not available – concept pushed mainly by German industry
  - ▶ Hydrogen network not rolled out yet
  - ▶ Fully electric mobility charging stations not rolled out yet
  - ▶ LNG network partly rolled out - but costs have increased
  - ▶ Limited awareness and knowledge
- ❖ However, it is clear that especially electric rollout is likely to be swift

## OBLIGATIONS



**COMMISSION DELEGATED REGULATION (EU) .../...**

**of 7.4.2022**

**supplementing Regulation (EC) No 561/2006 of the European Parliament and of the Council with regard to the establishment of standards detailing the level of service and security of safe and secure parking areas and to the procedures for their certification**

---

- By 31 December 2026, electric power facilities for refrigerated road transport vehicles shall be available on-site.

**Proposal for a REGULATION OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL on Union guidelines for the development of the trans-European transport network, amending Regulation (EU) 2021/1153 and Regulation (EU) No 913/2010 and repealing Regulation (EU) 1315/2013**

Providing safe and secure parking areas for commercial drivers,  
equipped with alternative fuels infrastructure.



# OPPORTUNITIES

■ Press release

## The Volvo Group, Daimler Truck and the TRATON GROUP kick off European charging infrastructure joint venture



## Zuschüsse für E-Lkw und Infrastruktur

Der Bund fördert die Anschaffung von klimafreundlichen Nutzfahrzeugen sowie Investitionen in eine entsprechende Infrastruktur. Die EU hat das Förderprogramm jetzt abgesegnet.



### Connecting Europe Facility (CEF)

#### Call for proposals

CEF 2 Transport - Alternative Fuels Infrastructure Facility - General envelope  
(CEF-T-2021-AFIFGEN)

Recharging point of minimum	Unit contribution (EUR)
150 kW	20.000
350 kW	40.000

• Unit contribution for grid connection:

Grid connection	Unit contribution (EUR)
	20.000

Project budget: in order to ensure efficiency in EU funding interventions, applicants are strongly encouraged to submit applications for projects with a total requested EU contribution to the eligible costs of no less than €1,000,000. Where possible, related projects should be grouped and submitted as one proposal.



# REQUIREMENTS AND OPEN POINTS



- ▶ SSTPAS require information on:
  - Truck & infrastructure technology and its costs – thank you to ACEA for this workshop!
  - Ancillary connections (grid, alternative fuels stations) and costs
- ▶ Good practices and pilot projects are needed
- ▶ Intermediary/temporary vs. medium-term solutions



# OPENING THE DISCUSSION



- ▶ How to convey information to parking operators?
- ▶ How to initiate interaction between parking operators and technology and service providers?
- ▶ ESPORG taskforce with sector stakeholders?
- ▶ Training and education by ESPORG?



**THANK YOU FOR LISTENING !**

**YOU MAY NOW ASK QUESTIONS AT THIS TIME.**



**ESPORG**