

We accompany this proposal with the following documents that help illustrate its worldwide innovation and its value for society.

0. PLUG&META® Technology - Attached documents list

- This document

1. PDF - Letter of commitment of Elche's City Council

- Héctor Díez Pérez, Councillor for Maintenance, Public Space, Services and Contracting of Elche's City Council explains the importance of the project for the city, the motivation to launch it and the expected results and benefits for the road safety of its population.

2. PDF – The need, the solution, the project

- This document has two parts. The first one introduces METALESA and the current needs on roads. The second part explains the PLUG&META® technology and why it means a new paradigm for road equipment, to finally describe the ongoing project in Bimillenari Bridge in Elche.

3. PDF – Metaurban® SMART Brochure

- Short catalogue that describes the functionalities and the value driven by PLUG&META® technology applied into this urban barrier.

Videos are not allowed as attachments, that's why we also attach the following links to YouTube where some videos that help explain de technology and the project

4. <https://www.youtube.com/watch?v=x6BkyWhZbFk>

Brief introduction to PLUG&META® technology and a real sample of Metaurban® SMART.

- Our Technological and Digital Innovation Director briefly introduces Metalesa Group, PLUG&META® technology and shows how a real sample of Metaurban® SMART works real time in the factory facilities.
- Sequence of PLUG&META® technology applications divided into three blocks: 1) bike lanes and road humanization, 2) tunnels and underpasses, 3) motorways and viaducts.

5. <https://www.youtube.com/watch?v=UFaxPGHeZkg>

Metaurban® SMART - Full scale crash test in laboratory - CE mark N1 according to UNE 1317

- It shows how the Metaurban® SMART performs during real crash test. Check the end of the video to see minimum deformation, which would protect both the vehicle passengers of an accident and the vulnerable users (pedestrians, cyclists or any other personal mobility vehicle user) of being run over.

6. <https://www.youtube.com/watch?v=IFfLkqE67Pw>

PLUG&META® TRACE management platform

- Short video of the web management platform, easy and intuitive, designed for technicians, policemen or any other member of the traffic administration. It allows an advanced remote control and configuration of any smart equipment that integrates PLUG&META® technology.

Finally, we add a URL to the technology webpage and the application in the smart barrier:

7. URL with large description of technology and its application to a number of equipment with pictures and videos.

- <https://metalesa.com/en/technology-plugandmeta/>
 - i. It describes the PLUG&META® technology in depth, as well as its versatility, potentially applicable to many scenarios (roads and viaducts, tunnels and underpasses, bike lane areas, etc.) and to many different road safety equipment (parapets, wall coverings, impact attenuators, etc.)
- <https://metalesa.com/en/metaurban/>
 - i. It describes an specific example of the application of PLUG&META® technology into a parapet-type equipment, transforming it into a connected and smart equipment.