Green PI –
Internet Zero Carbon for Aviation

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Target Call

MG-3-4-2020: Innovative electric network architectures and systems, optimising global energy, electrical power, data and communication for aviation

Topic: Smart energy for green transport

Green Communications

- Innovative SME in telecommunication networks

- Created in 2010 after a technology transfer from Paris-Saclay and Sorbonne Universities and the CNRS

- Our product:

> Green PI is a wireless & low power Internet network
> with distributed Edge cloud
> for on-board connectivity
> (IoT, Passengers connectivity, Air/Ground Communications, v-to-v)

- Added value: Lightweight, low power, autonomous, resilient, secure, open

- Two patents on routing protocol and energy saving

- Referenced by NATO

- Client references:

Journée Smart & Safe – Energy & Mobility
Paris, le 20 Juin 2019

Expertise

- Expertise:
  - Wireless ad hoc / mesh network
  - Edge computing
  - Distributed services
  - Energy saving on wireless networks

- Relevant Experience in European Projects
  - Coordinator, WP leader and technology partner

- Idea of Contribution:
  - Safe, secured, robust and reliable connectivity solutions for planes
  - On board wireless networks for passenger connectivity and IoT
  - Next generation modular and distributed data networks
  - Cable weight reduction in planes
  - Autonomous on board connectivity (autonomous in energy and services)

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