Internet of Edges (IoE)

Building a Faster, More Resilient, and Sustainable Internet.

By Green Communications

Products

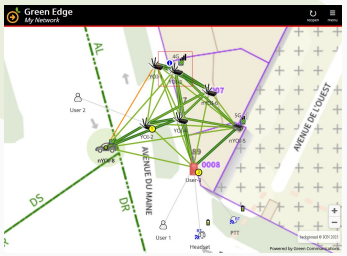
GreenSoft is being used by French Armed Forces

GREENSOFT

Software suite to create an Internet of Edges on customer hardware.

GreenSoft enables your hardware to connect directly and wirelessly with nearby edge devices, share resources, and access edge-based digital services without relying on existing infrastructure or a central server.

Edge-based services included: voice and text communication, file sharing, network visualization, user geo-location, blockchain, multicast, and more.





EDGE DEVICES

Ready-to-Use Edge Devices Equipped with GreenSoft Technology.



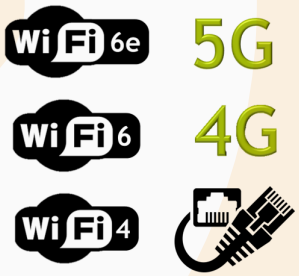
≈ 4.5 W
315 g
Quad Core

nYOI

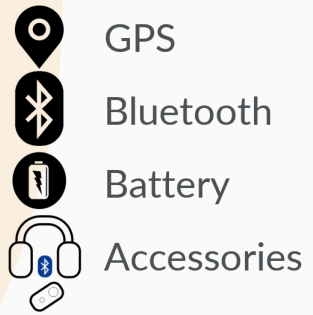


≈ 8 W
480 g
Quad Core

nYOI with 5G modem



Interfaces



Optional Features

nYOI-6e

New Generation YOI Device



Access & Backhaul

MIMO Tri-band internal antennas
2,4 Ghz, 5 Ghz, and 6 Ghz

Ethernet

Access or Backhaul

Weight	315 g
Power consumption	≈ 4,5 W
Interfaces	Wi-Fi 6e (2.4, 5, and 6 GHz)
GPS	Included

CPU	Quad Core
RAM	4 GB
Storage	64 GB
Options	Battery: 37 Wh or 74 Wh Bluetooth

nYOI-6e-5G

New Generation YOI Device with Integrated 5G Modem

5G
Gateway
MIMO 2x2



Wi Fi 6E

Access & Backhaul
MIMO - Tri-band
2,4 Ghz, 5 Ghz, and 6 Ghz

2 Ethernet ports
Access or Backhaul

Weight	480 g
Power consumption	≈ 8 W
Interfaces	Wi-Fi 6e (2.4, 5, and 6 GHz) 5G modem
GPS	Included

CPU	Quad Core
RAM	4 GB
Storage	64 GB
Options	Battery: 120 Wh Bluetooth

YOI-6

Access & Backhaul

MIMO dbdc

2,4 Ghz and 5 Ghz



Ethernet

Access or Backhaul

Weight	280 g
Power consumption	$\approx$ 6 W
Interfaces	Wi-Fi 6 (2.4 and 5 GHz)
GPS	Optional

CPU	Dual Core
RAM	512 MB
Storage	32 GB
Options	Battery: 120 Wh Bluetooth

YOI-6-4G/LTE

4G LTE
Gateway
MIMO 2x2

GPS



Access and Backhaul
MIMO
2,4 Ghz and 5 Ghz

Ethernet
Access or Backhaul

Weight	320 g
Power consumption	≈ 7 W
Interfaces	Wi-Fi 6 (2.4 and 5 GHz) 4G modem
GPS	Included

CPU	Dual Core
RAM	512 MB
Storage	32 GB
Options	Battery: 120 Wh Bluetooth

Other YOI (Wi-Fi 4)

YOI

Access Point

Wi Fi

MIMO 2x2

Backhaul

Wi Fi

MIMO 2x2



Access or Gateway
by ethernet

YOI-4G

Gateway

4G LTE

MIMO 2x2

Backhaul

Wi Fi

MIMO 2x2

GPS



Access or Backhaul
by Ethernet

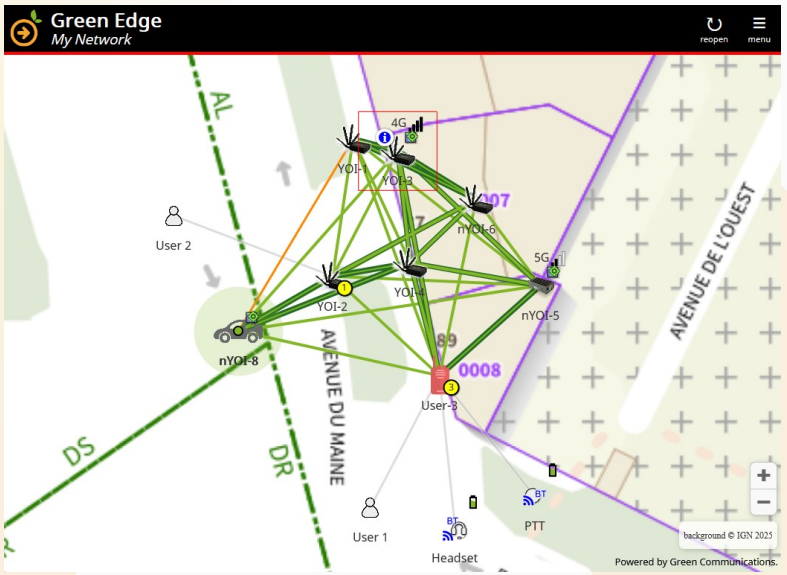
Weight	324 g
Power consumption	≈ 5 W
Interfaces	Wi-Fi 4 (2.4 and 5 GHz) + 4G modem for YOI-4G
GPS	Included in the YOI-4G

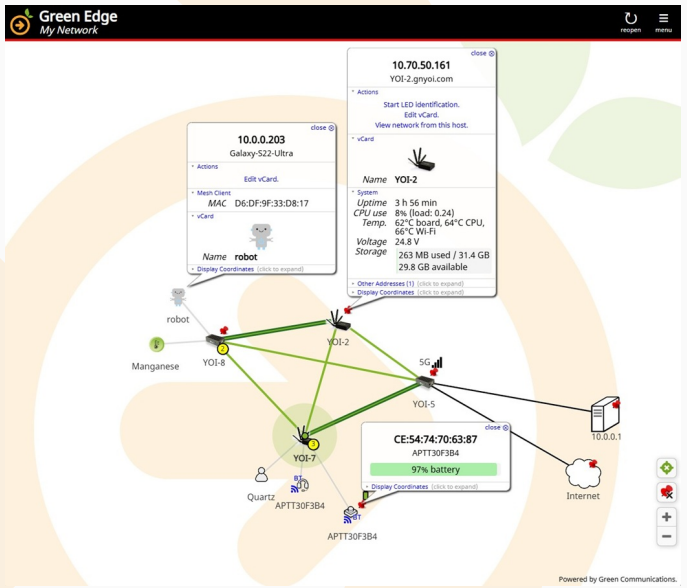
CPU	Dual Core
RAM	512 MB
Storage	32 GB
Options	Battery: 120 Wh Bluetooth

Visualization - Location

MY NETWORK

Embedded and distributed service for network and clients visualization and location.

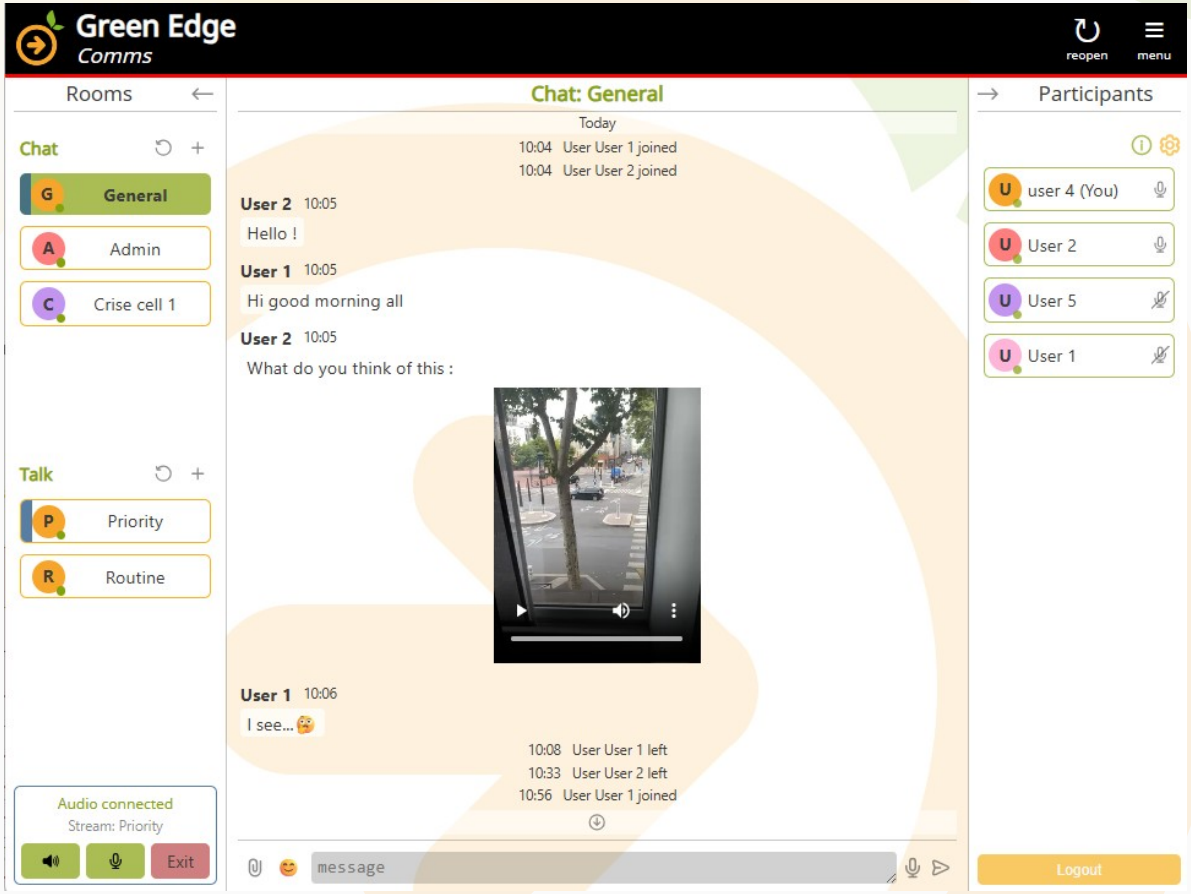




Voice & Text Communications

COMMS

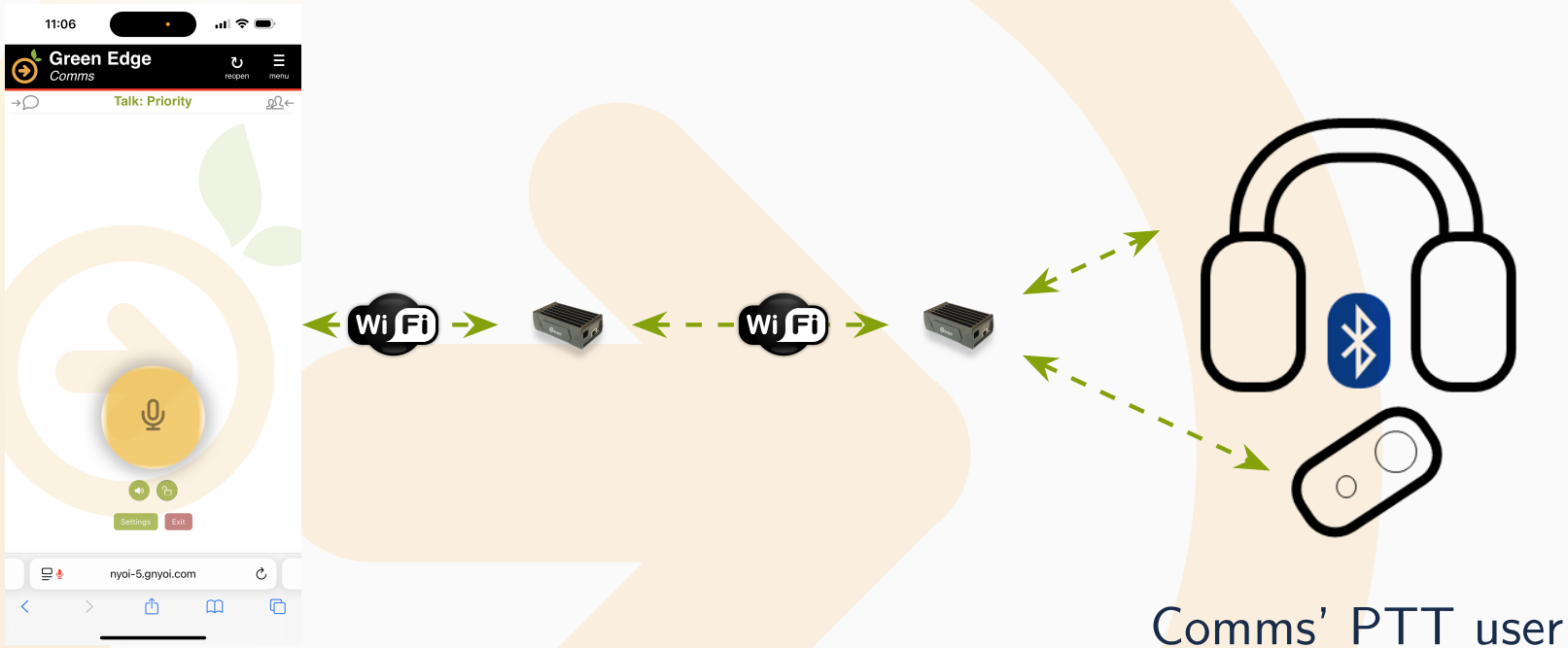
Embedded and distributed instant messaging and voice conversation service.



Voice & Text Communications

COMMS PTT

The Comms application can be used as a Push-to-Talk (PTT) service, allowing users to speak directly through a Bluetooth headset and a PTT button, freeing them from having to carry a smartphone.



Comms' Smartphone user

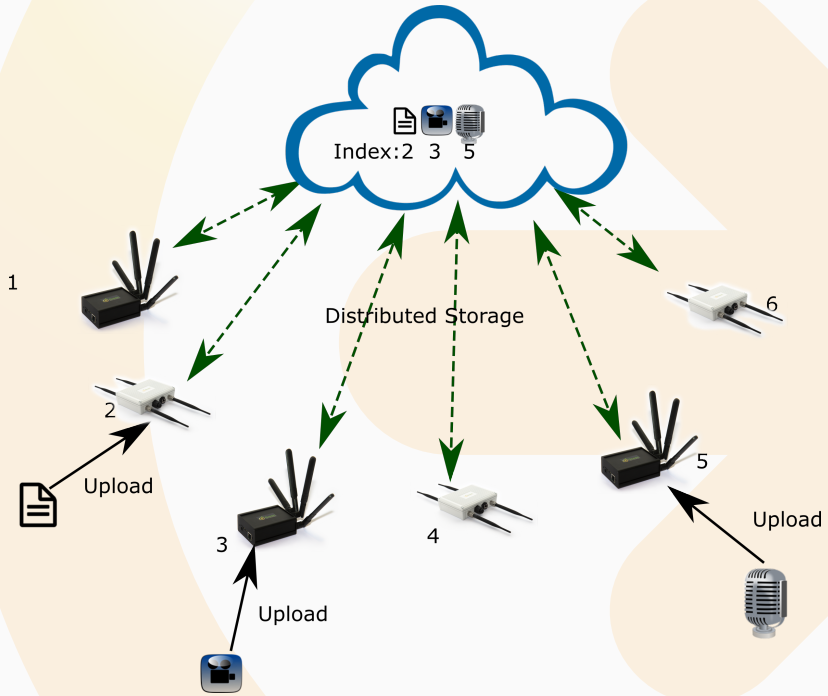
Comms' PTT user

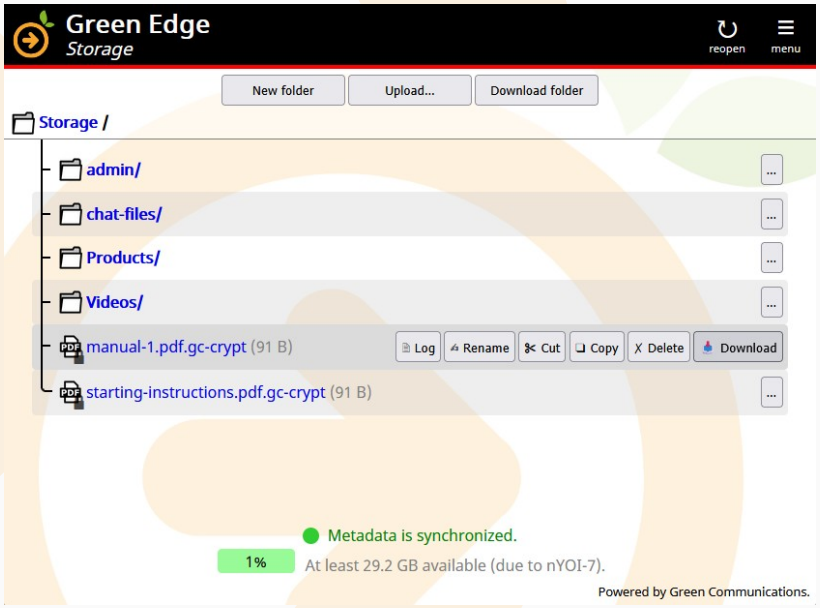
File Sharing

STORAGE

Embedded and distributed file sharing system.

Storage synchronizes files and stores lists of transactions using blockchain technics. One can browse Storage's transaction database using the Storage Log application.

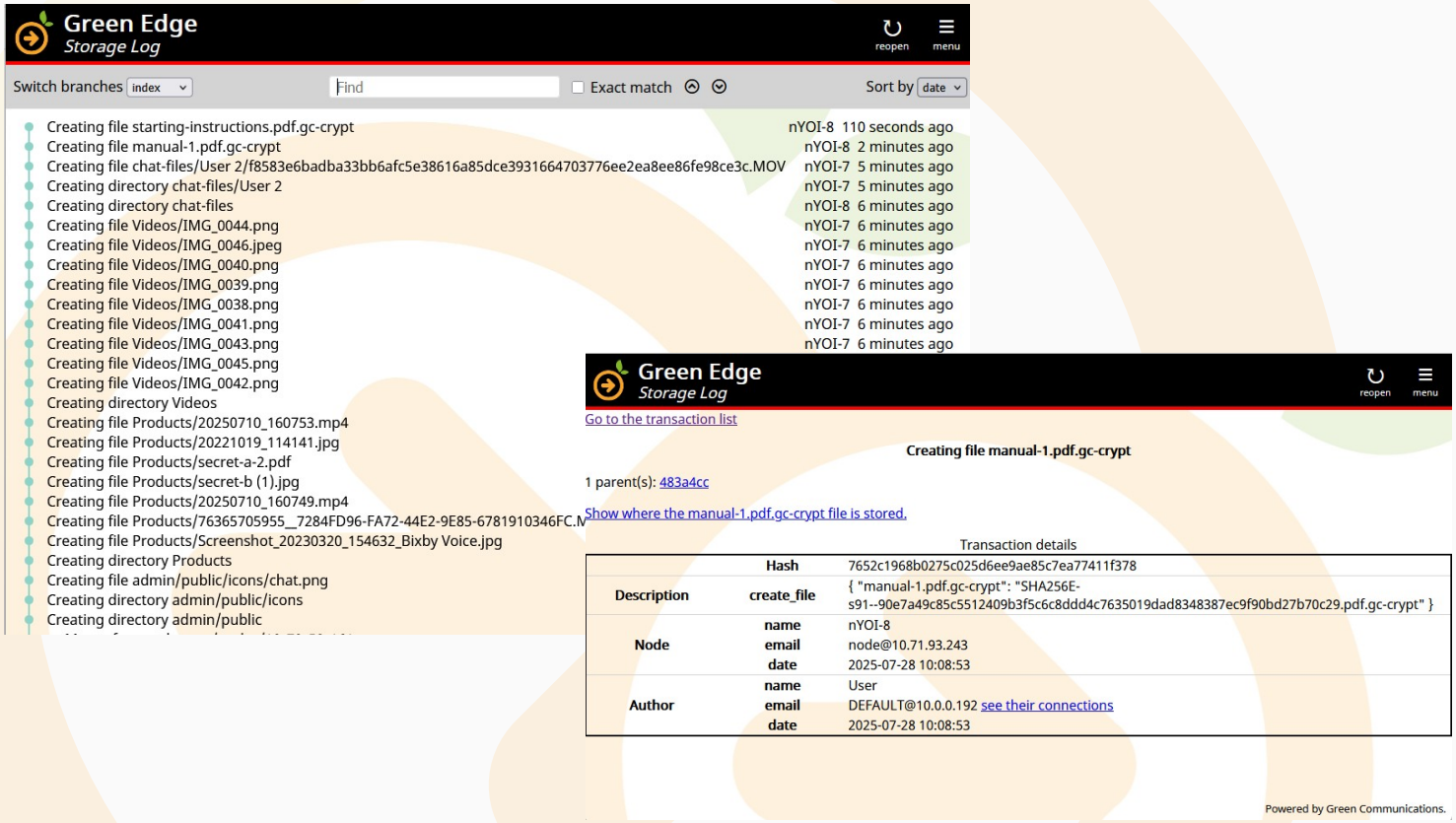




Blockchain

STORAGE LOG

Blockchain visual-frontend service to browse Storage's transaction database.



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They Trust Us



Contact

GREEN COMMUNICATIONS

PARIS, France

contact@green-communications.fr

https://green-communications.fr

ABOUT US: Green Communications is a French deeptech company specializing in the resilience, sovereignty, and sustainability of digital infrastructures. The company develops innovative solutions based on edge computing, mesh networks, and distributed systems, enabling autonomous communication in complex environments while minimizing resource consumption. Green Communications' products are used by armed forces, major civil security stakeholders, operators of critical and sensitive infrastructures, the mobility sector, and healthcare organizations, among others. The company was founded in 2010, building on technology transfers from leading French institutions, including Sorbonne University, Paris-Saclay University, and the CNRS.