



Internet of Edges (IoE)

Building a Faster, More Resilient, and Sustainable Internet.

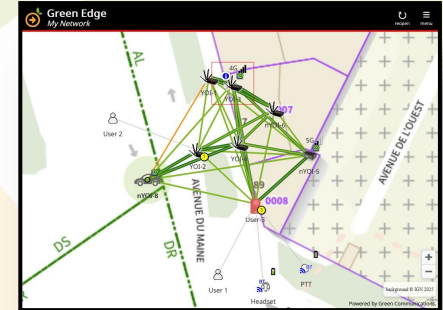
By Green Communications

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

nYOl




≈ 8 W
480 g
Quad Core


nYOl with 5G modem



5G
4G



Interfaces



GPS
Bluetooth
Battery
Accessories

Optional Features

New Generation YOl 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

GPS

WiFi 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

Y0I-6



Access & Backhaul
MIMO dbdc
2,4 Ghz and 5 Ghz



Ethernet
Access or Backhaul

Weight	280 g
Power consumption	≈ 6 W
Interfaces	Wi-Fi 6 (2.4 and 5 GHz)
Options	GPS Battery: 120 Wh Bluetooth

CPU	Dual Core
RAM	512 MB
Storage	32 GB

YOI-6-4G/LTE



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



YOI-4G



Weight	324 g
Power consumption	≈ 5 W
Interfaces	Wi-Fi 4 (2.4 and 5 GHz) + 4G modem for YOI-4G
Options	Battery: 120 Wh Bluetooth GPS (Included in the YOI-4G)

CPU	Dual Core
RAM	512 MB
Storage	32 GB

THE GREEN EDGE

IoE combines the computing capacity of each device of the network to create a cloud distributed near end-users, the Green Edge.

THE EDGE SERVICES

The Green Edge hosts applications and services close to the user and of the data source such as: a push to talk and a chat application, a geo-location service and a file sharing system, among others.

Edge services are always available, even when there is no gateway in the network. They provide better quality and privacy as local data stays local and is processed at source.

OPEN: The Green Edge is open and can easily integrate third-parties' applications and services.

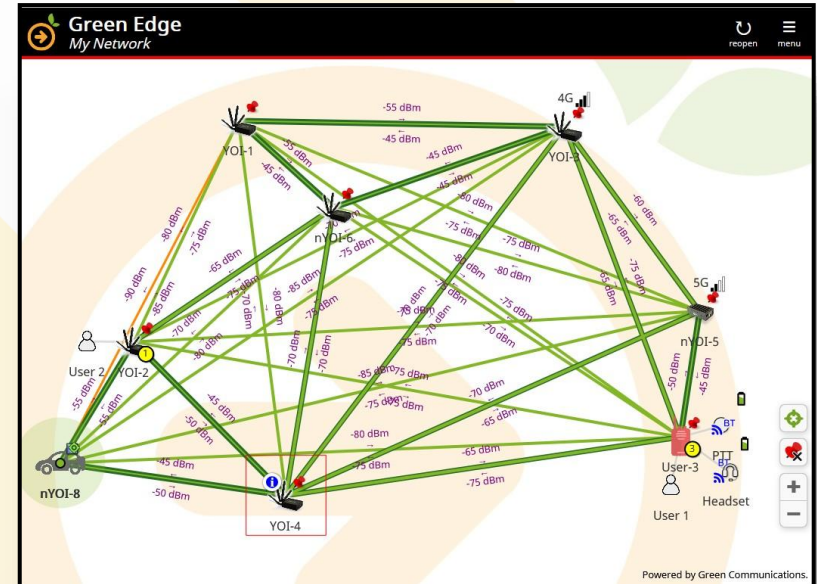
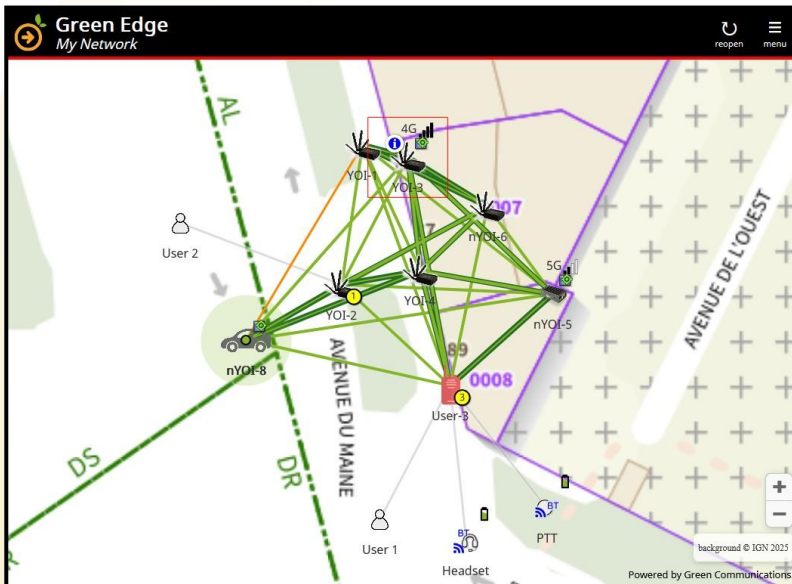
Green Edge's Web Portal



Visualization - Location

MY NETWORK

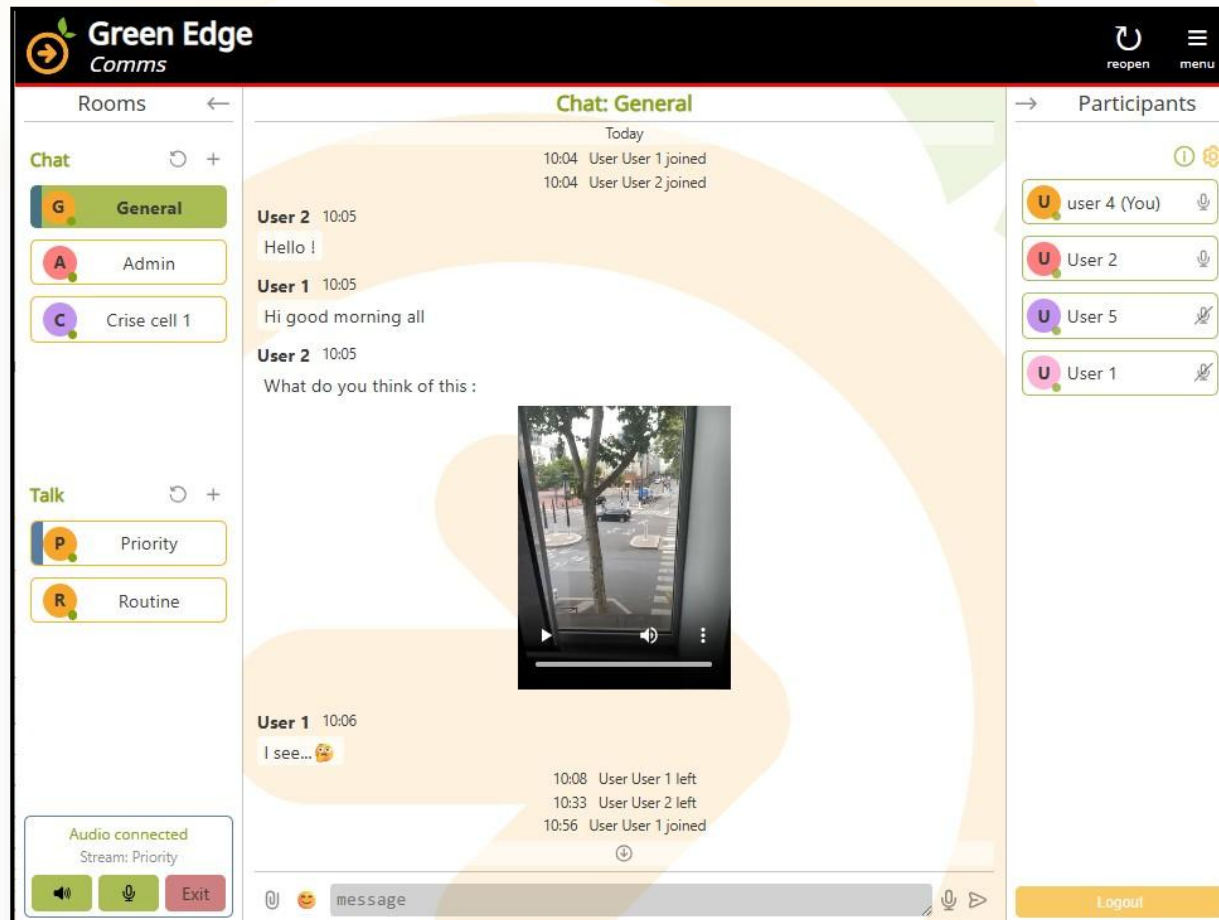
Embedded and distributed service for network and clients visualization and location.



Voice & Text Communications

COMMS

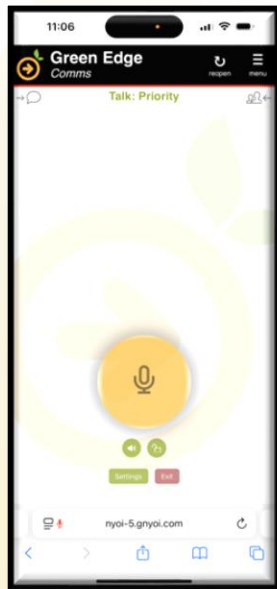
Embedded and distributed instant messaging and voice conversation service.



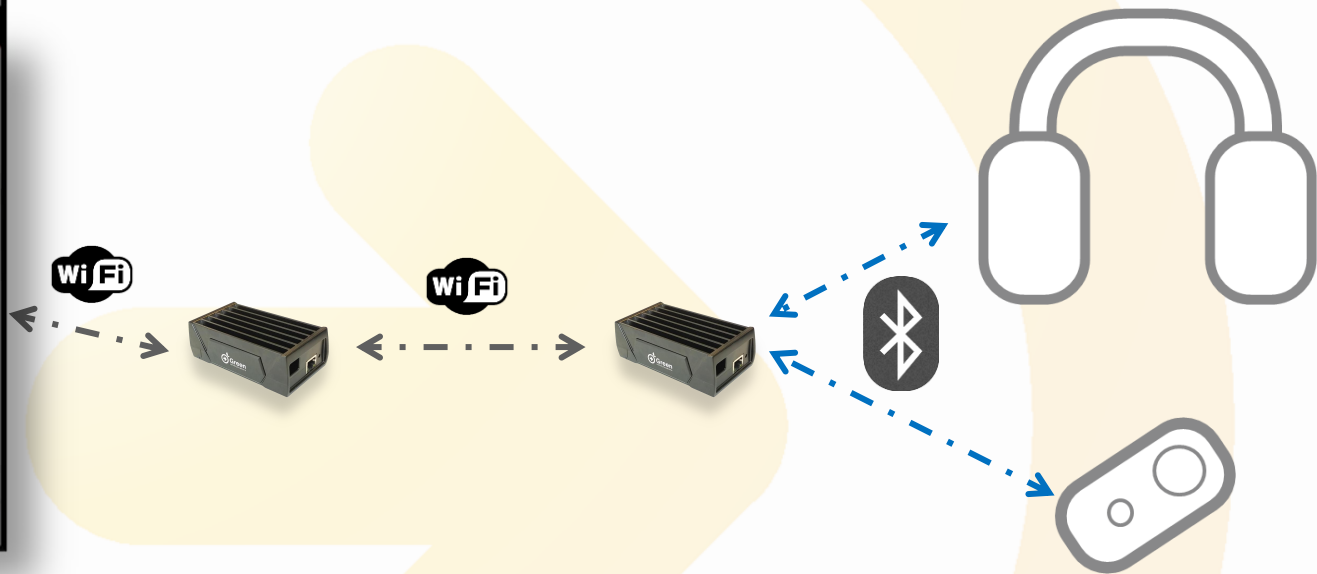
Voice & Text Communications

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.



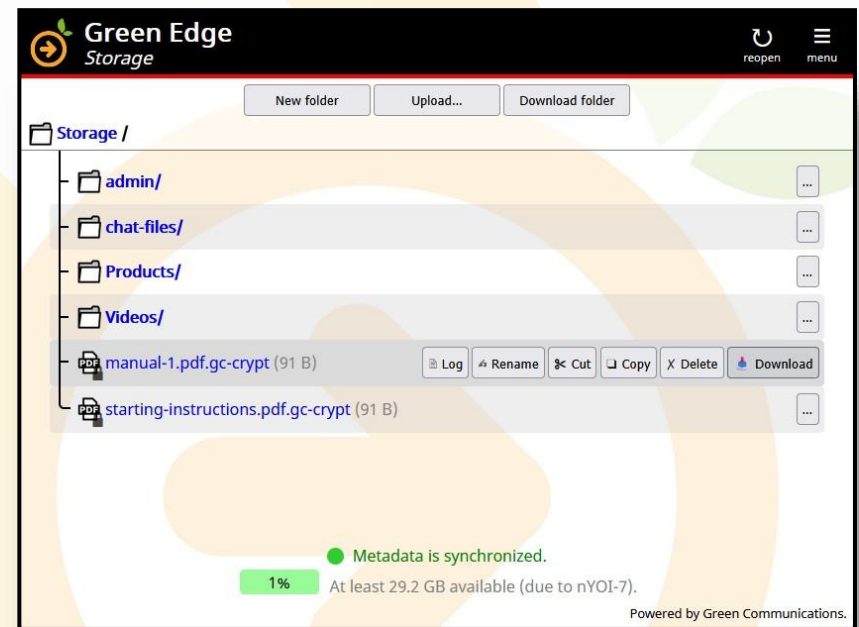
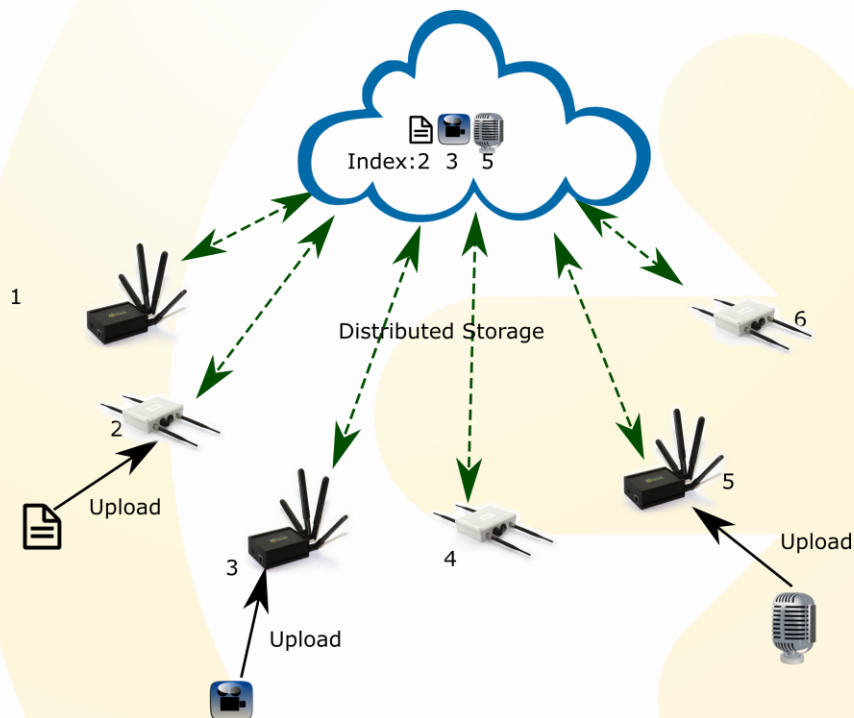
Comms' Smartphone user



STORAGE

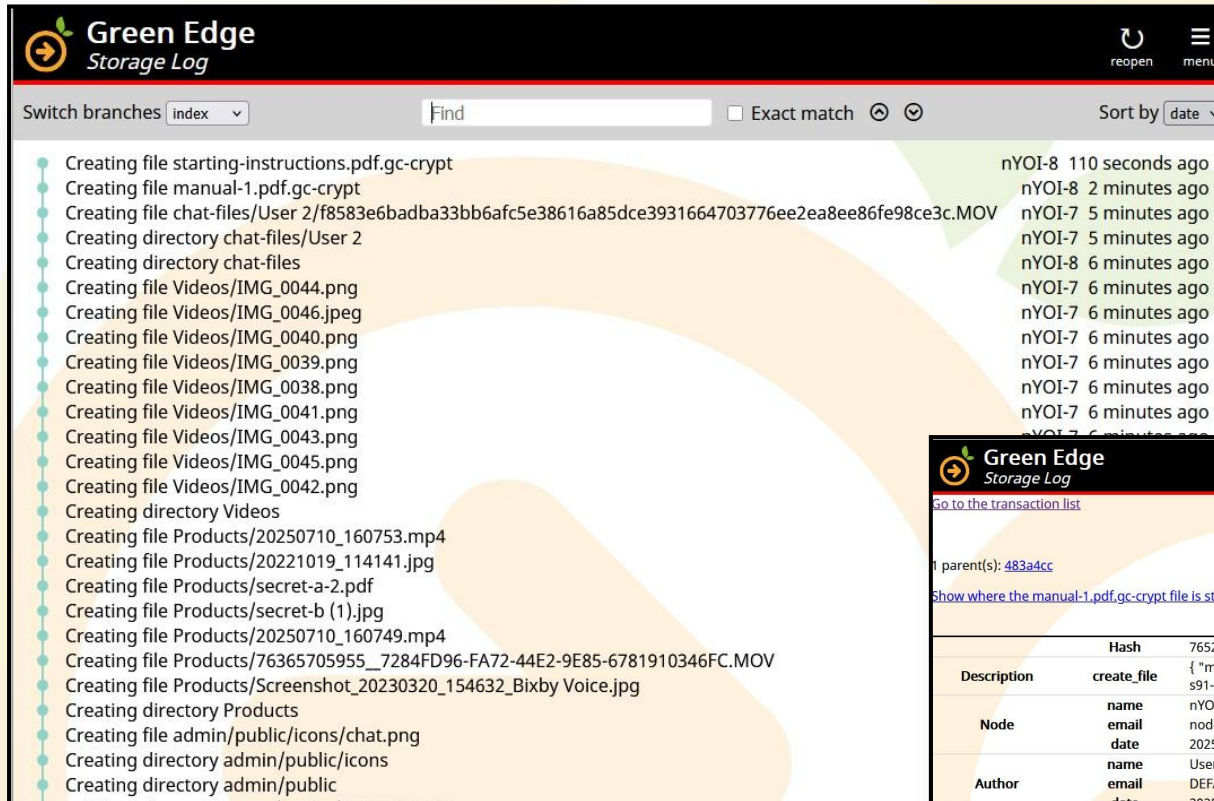
Embedded and distributed file sharing system.

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



STORAGE LOG

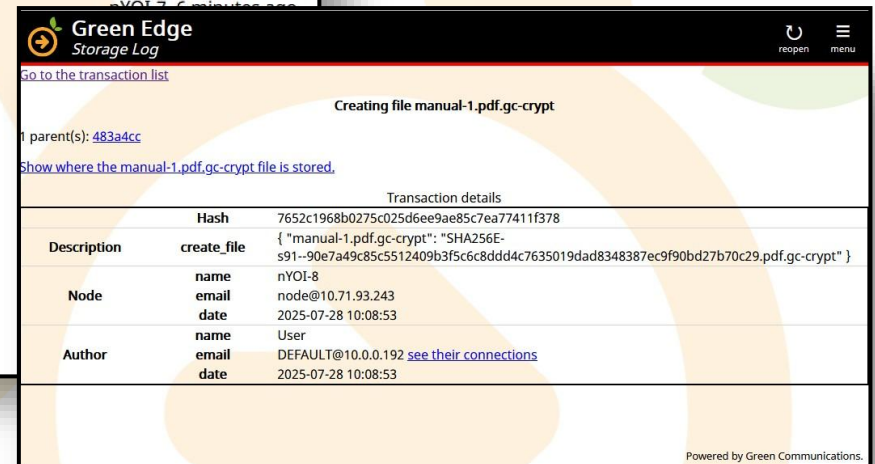
Blockchain visual-frontent service to browse Storage's transaction database.



Green Edge Storage Log

Switch branches: index Find ☐ Exact match ↺ ↻ Sort by: date

- Creating file starting-instructions.pdf.gc-crypt nYOI-8 110 seconds ago
- Creating file manual-1.pdf.gc-crypt nYOI-8 2 minutes ago
- Creating file chat-files/User 2/f8583e6badba33bb6afc5e38616a85dce3931664703776ee2ea8ee86fe98ce3c.MOV nYOI-7 5 minutes ago
- Creating directory chat-files/User 2 nYOI-7 5 minutes ago
- Creating directory chat-files nYOI-8 6 minutes ago
- Creating file Videos/IMG_0044.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0046.jpeg nYOI-7 6 minutes ago
- Creating file Videos/IMG_0040.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0039.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0038.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0041.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0043.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0045.png nYOI-7 6 minutes ago
- Creating file Videos/IMG_0042.png nYOI-7 6 minutes ago
- Creating directory Videos
- Creating file Products/20250710_160753.mp4
- Creating file Products/20221019_114141.jpg
- Creating file Products/secret-a-2.pdf
- Creating file Products/secret-b (1).jpg
- Creating file Products/20250710_160749.mp4
- Creating file Products/76365705955_7284FD96-FA72-44E2-9E85-6781910346FC.MOV
- Creating file Products/Screenshot_20230320_154632_Bixby Voice.jpg
- Creating directory Products
- Creating file admin/public/icons/chat.png
- Creating directory admin/public/icons
- Creating directory admin/public



Green Edge Storage Log

[Go to the transaction list](#)

Creating file manual-1.pdf.gc-crypt

1 parent(s): [483a4cc](#)

[Show where the manual-1.pdf.gc-crypt file is stored.](#)

Transaction details

Description	Hash	create_file
	7652c1968b0275c025d6ee9ae85c7ea77411f378	{ "manual-1.pdf.gc-crypt": "SHA256E-s91--90e7a49c85c5512409b3f5c6c8ddd4c7635019dad8348387ec9f90bd27b70c29.pdf.gc-crypt" }
Node	name node@10.71.93.243 email 2025-07-28 10:08:53 date	
Author	name User email DEFAULT@10.0.0.192 see their connections date 2025-07-28 10:08:53	

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ABOUT US: Green Communications is an innovative company founded in 2010, specializing in wireless networks and distributed systems. We are committed to addressing the multifaceted challenges of the internet, including rising traffic, mobility demands, and growing carbon footprints. To tackle these issues, we developed the Internet of Edges (IoE), a decentralized digital infrastructure. IoE consists of a grid of federated edge devices that share their resources, enabling locally hosted digital services with enhanced performance, resilience, and sovereignty. The development of IoE is the culmination of 20 years of research and development, including technology transfers from leading French institutions such as Sorbonne University, Paris-Saclay University, and CNRS.