Better services with improved WiFi

To prevent WiFi problems, Galgus has developed and patented CHT (Cognitive Hotspot™ Technology), a multiplatform software that may be installed on a wide range of wireless access points and routers. More than 600,000 users worldwide are benefitting daily of Galgus technology.

Galgus develops and markets a unique WiFi technology that is currently being used by numerous OEMs and system integrators worldwide to deliver high-performing WiFi networks. Galgus’ Cognitive Hotspot™ Technology (CHT) is an embedded generic software that makes WiFi networks intelligent and optimises spectral efficiencies for WiFi routers and access points (APs).

CHT increases WiFi performance by up to 400%, while reducing interference levels and power consumption, especially in high-user density environments. CHT creates a fully distributed Wi-Fi network, making each AP intelligent. APs with CHT measure key network metrics, exchange them with neighbouring APs and together optimise radio resources in real-time.
Competitive Advantages

- Increases WiFi network performance by up to 400% in high-user density environments
- Improves QoS (Quality of Service) for connected users and things (IoT)
- Reduces number of APs needed in WiFi deployments, thus reducing costs
- No central controller needed
- Fully distributed technology
- Reduced WiFi configuration time through autoconfiguration
- Avoids congestion and poor data rates
- Cloud based management

Target Markets

- Aviation
- Rail
- Maritime
- Hospitality/ Enterprises
- Residential
- Used by numerous OEMs and system integrators worldwide to deliver high-performing WiFi networks

Use Cases

- Aviation: Fast and reliable in-flight WiFi connection with up to 5x performance improvement
- Rail: Reliable, secure and fast WiFi network in the wagons
- Maritime: seamless multimedia streaming and internet browsing for passengers
- Hospitality/ Enterprises: Wireless internet access for hotels, hospitals, and convention centres

References

- Customers & Partners: Azimut Electronics, Barceló Hotel Group, Compex, Edgewater Wireless, Landatel, ACKSYS, Over-Sat, Telefonica, VT Miltope, Zodiac Aerospace, Gateworks
- Selection of Awards: Best European Scale-Up in Digital Infrastructure (EIT Digital), Best Industrial Wireless Service Innovation (Wireless Broadband Alliance 2017), and Best Operational Performance Innovation (SmartRail World 2018).
- Received funding by the European Commission through a SME Instrument Phase II (1.4 M€)

Connect

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Company

- Founded: 2013
- Founders: Jose Gonzalez (CEO), Jose Antonio Delgado (CTO)
- Headquarters: Seville (Spain), offices in Madrid and Montreal
- Location: Galgus Calle Itálica 1 41900 Camas (Seville) Spain
- Customers & Partners: Azimut Electronics, Barceló Hotel Group, Compex, Edgewater Wireless, Landatel, ACKSYS, Over-Sat, Telefonica, VT Miltope, Zodiac Aerospace, Gateworks
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