



Dronitaly

Bologna Fiera, 9th Sept 2024

Jose Ignacio Rodríguez – Managing Director Bluenest



bluenest

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Who we are – Globalvia Group (Multimodality)

bluenest
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globalvia

12 countries

SPAIN

15 Concessions
+ High Speed Rail

UNITED STATES

1 Concession

PORTUGAL

2 Concessions

IRLANDA

1 Concession

1 O&M Contract

Go-Ahead Group buses

COSTA RICA

1 Concession

CHILE

5 Concessions

UNITED KINGDOM

Go-Ahead Group
rails and buses

NORWAY

Go-Ahead Group rail services

SWEEDEN

Go-Ahead Group scheduled bus
services, school transport, medical
transfer

SINGAPORE

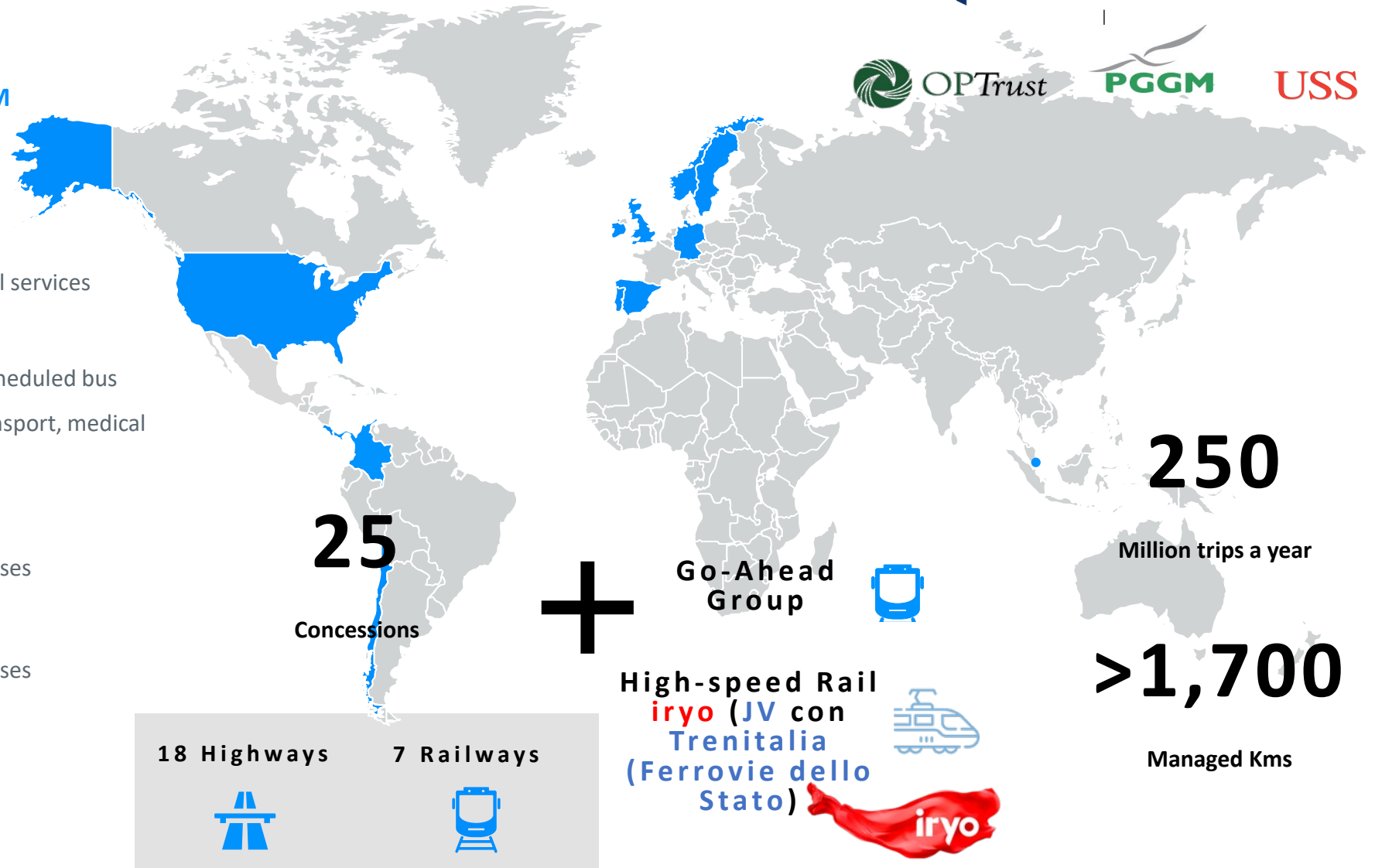
Go-Ahead Group buses

AUSTRALIA

Go-Ahead Group buses

COLOMBIA

1 Concession



About us – Bluenest (AAM)

Globalvia, leader in infrastructure concessions (highways and trains), created Openvia Air in 2021 (**rebranded in June 2022 as Bluenest**), to start its new business line dedicated to develop the Advanced Air Mobility ecosystem.

Kicking Off new SESAR3 projects: PRIAM and ENGAGE

 **globalvia**



 **bluenest**
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Our Milestones!



April

Foundation of
Openvia Air,
investment (plan,
staff, eVTOLs) &
brand

June

Rebranding to
Bluenest by
Globalvia.
Listed in **SMG**
[AIR index](#)

October

Operation
of first
eVTOL
flights

December

**1st operative
heliport** in
Doha (FIFA) &
[prototype
vertiport](#)

January

**1st air
logistic trials**
[U-ELCOME](#)
project

Feb. / Apr.

Publication of our
**1st White paper
& 1st Vertiport
control center
tests** in Spain
(eVTOL [flights](#))

June

Kick off of
[EUREKA](#)
Vertiports
integration
project
(UrbanV,
Lilium...)

July

**1st logistical
locker for UAS**
(SW and HW) &
**1st U-ELCOME
project full trials**
at Madrid
hospital

Nov. / Dec.

[ALE-HOP](#)
project
**received 3
awards** by
Madrid,
Ennova & CEL

March

**Advanced vertiport
tests at Costa Rica & 1st
passenger eVTOL flight**
in Latin America
monitored with our
vertiport control center
in [Guanacaste](#)

2021

2022

2023

2024



Our Focus - Business lines

V

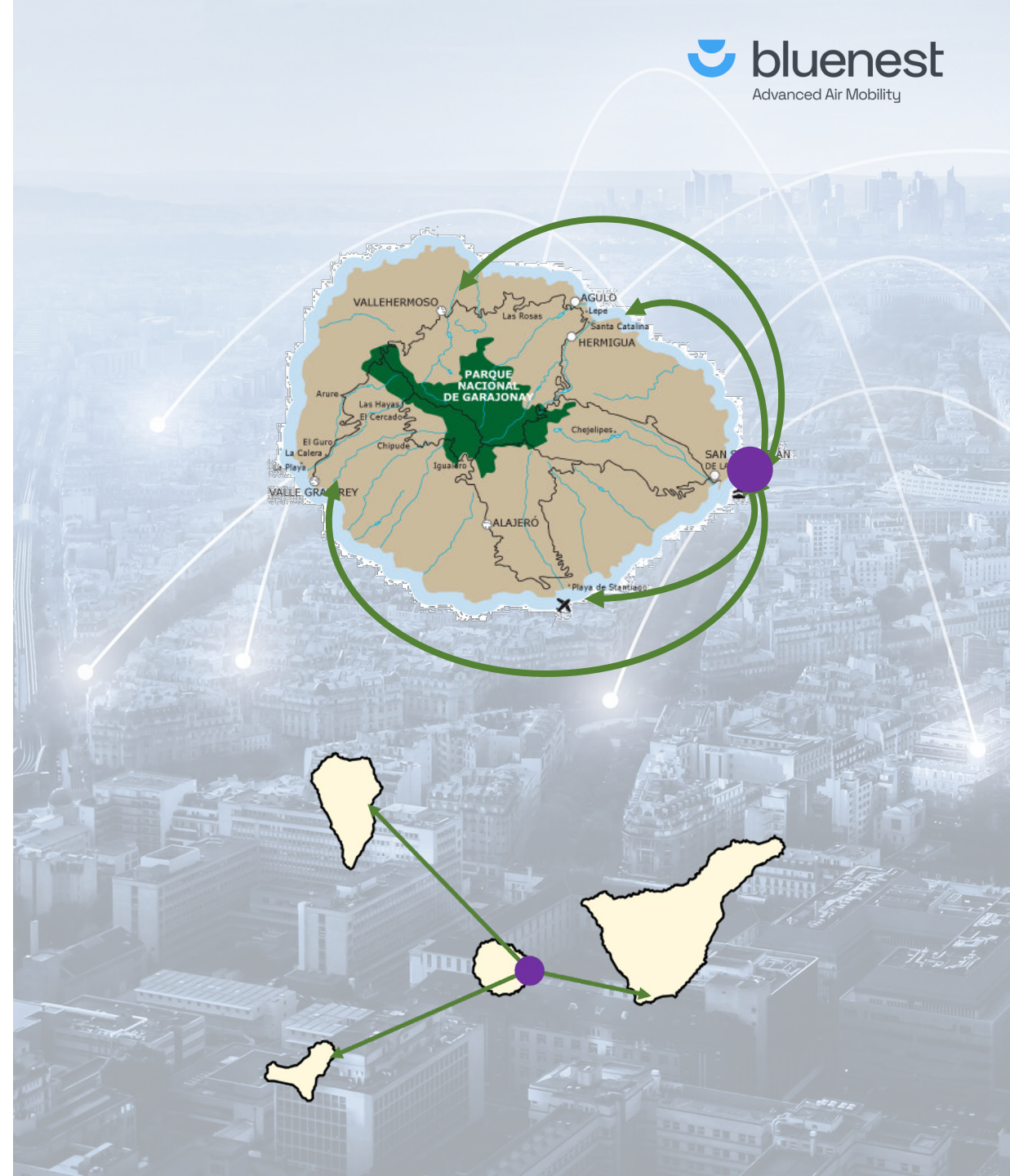
VERTIPORTS DESIGN AND CONSTRUCTION

- 1 | **Bluenest** released its **Vertiports [Whitepaper](#)** in February and operated EH216 air taxi flights for vertiport tests (ATLAS) in April
- 2 | Deploy additional Vertiports as infrastructure solution to five **eVTOL** flights **use cases**:
 - **Emergencies (EMS)**
 - **Regional/Intercity/Interisland flights (rural/coast areas)**
 - Panoramic/tourist flights (sightseeing tours)
 - Airport Shuttle (airport-hotel/POI)
 - Intracity flights (rooftops, vertistops, points of interest...)

L

LOCKERS FOR LAST MILE LOGISTICS

Deploy **the first automatic lockers for autonomous drones** to enable **last mile logistics** in cities and non-urban areas and perform real operations of load, user request and flight





Vertiport & eVTOL Tests in Guanacaste (Costa Rica)

Our Expertise and learning:

- Parallel Ops in LIR Airport (12th Mar)
- Vertiport ops and control center at The Westin Reserva Conchal heliport



Vertiports – Benefits for citizens

Benefits of Vertiports to urban Life:

- **Cutting-Edge Design:** Architectural masterpieces, innovative functionalities, seamless integration in urban lifestyle
- **Multimodal** connectivity: Ground-Air link for holistic 3D motion
- **Sustainable** Hub & Nests: Eco-friendly terminals, embracing **green** renewable energy and low CO2/noise emissions.
- **Community** Hubs: Spaces for the citizenship, fostering new living environments, economic growth and local connectivity
- Urban **transformation:** Reshaping landscapes and mobility
- Traffic **Decongestion:** Balanced and predictable transport



Technological Challenges to overcome jointly

eVTOLs Public Acceptance	Med-voltage Power grid	Micro Weather timely Data
NEW rules, staff, processes	Battery tech (swap/charge)	4G/5G Cell Coverage
Robust Cybersec & Comms	Non-collaborative UAS (DAA)	Noise and visual impact
U-space zones (ATM-UTM)	DAR airspace reconfiguration	Accurate Obstacles data



Coastal Vertiport – small (at beach)



Urban Vertistop - small vertiport (on water)



Urban Vertiport - Medium (Multimodal)





Advanced Vertiport Control Center

Grazie amici!

Thanks for your time!



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[Vertiport - infrastructure](#)

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Check out now
our Whitepaper!

Team Bluenest by Globalvia

Jose Ignacio Rodríguez -- jirodriguez@bluenest.io

Rafael Higuera -- rhiguera@bluenest.io

Dario Ares -- dares@bluenest.io



www.bluenest.io



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