

AUTONOMOUS LOGISTICS

NOW



Unmanned logistics as a service
Press Kit 2021

EVOCARGO

evocargo.com

Industry: Smart logistics
Markets: Logistics. Robotics. Automotive
Unmanned technologies and transport
Established: 2019
Headquarter: Dubai
Production: Finland
R&D: Russia

USP: Unmanned logistics as a service

About

Established in 2019, Evocargo has become one of the first companies in the world that has successfully launched and is already implementing projects for the introduction of unmanned logistics services on the territories of industrial and logistics clients.

Evocargo has 37 protected inventions and technologies. Broadcasting the future and reflecting today's market demands, Evocargo EVO.1 unmanned vehicles maximize cargo transportation volume and payload without air-pollution. Hybrid power system based on electric batteries and hydrogen fuel cells.

Evocargo is the global innovative logistics company a pioneer and leader in manufacturing and implementing of autonomous All-electric/Hydrogen vehicles with "IN HUB" solution for inclosed premises and "HUB2HUB" long-haul solution providing a full range of logistic services for individual clients' logistic ecosystem to support smarter, ecological, sustainable, efficient solutions for their business needs.

Awards:

Dubai World Congress for Self Driving Transport
EXPO2020Dubai-Wetex Solar Show.



Highlights



Inventions and technologies

37



Employees

170+

↑x8 in 1.5 year
from beginning



Clients

Logistic Centers
Manufacturing
Warehouses
Construction



Headquarter – UAE

Production – Finland
R&D – Russia
Front Office – Italy



Hydrogen Power Train
as an option



Deployment period
4-5 days (new site)



Autonomous movement rate

100%



Milestones

→ 2017

Conceptual design of the first unmanned cargo platform

→ 2018

N1 unmanned platform MVP created

→ 2019

N1 testing in enclosed territories

Enterprise strategy formation

→ 2020

Evocargo company created

EVO.1 is developed

MVP of hydrogen refueling station is created

→ 2021

EVO.3 is created

Series production of 12 **EVO.1**

Contracts signed with 2 facilities for services

7 commercial cases of cargo transportation on enclosed territories (warehouses and open air areas)

Dubai Office opening

→ 2022

Manufacturing and deployment of 40 unmanned **Evocargo EVO.1** vehicles

Evocargo EVO.3 full-size N-3 class truck development and testing

Founder

Andrey Bolshakov

Founder
Evocargo



That was incredibly difficult challenge but we brought "the Future" into Reality



Biography

Andrey Bolshakov is known as a specialist in ground-based robotics and industrial technical vision, who launched Unmanned All-electric vehicle in one year from prototype to a real transportation platform, author of over 30 scientific publications, invited expert at international Transportation conferences and special events, winner of automotive award at Unmanned Technologies category and founder of innovative logistics company Evocargo.

Andrey has a wide scientific background, specialist degree "Information technology and computing systems" postgraduate studies "Analysis, management and information processing".

During this work, his also studied Human Vision system from biological point of view



Since 2013 Andrey has been an advisor to the director of the Institute for Information Transmission Problems well-known by its Fields Medal graduates.

In 2014, Andrey focused on the development of Technical Vision and Artificial intelligence systems, creating and implementing a plagiarism search engine in a vector image portfolio and AI-based image portfolio scoring.

From 2013 to 2016 he was engaged in Scientific Research of computer technologies for digital medicine where Andrey oversaw the development and implementation of soft for diagnostics and training of 3D-LSI binocular vision.

From 2016 to 2020 he was the CEO of one of the leading provider of the industrial machine vision.

Since 2020, Andrey Bolshakov has become the CEO of Evocargo – a vertically integrated logistics service based on unmanned electric platforms.

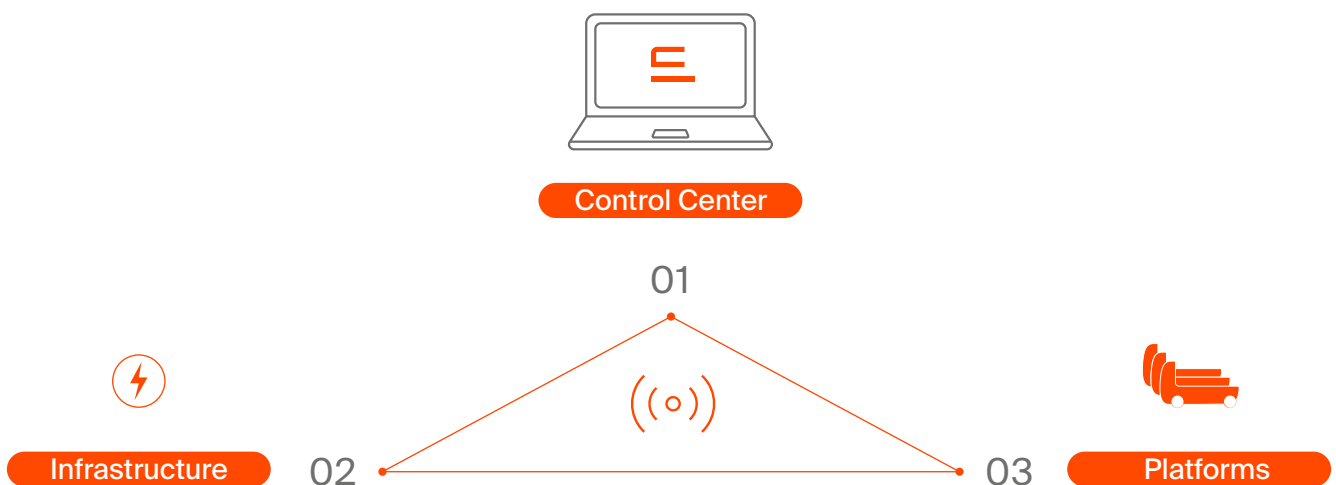


→IN HUB←

Evocargo Services

Evocargo's all-electric/hydrogen autonomous vehicles bring innovation and cutting-edge services in cargo transportation, ensuring our customers operations always on time, optimized, and precisely coordinated through all process cycles.

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EVO.1 Autonomous Vehicle

Specification

Charging Time

Fast Charge

40^{min}



EVO-1 Swap

6^{min}



Household socket

360^{min}



Physics

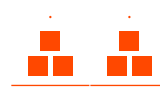
Load Capacity

1.5^{tons}

3310 lbs



6^{europallets}



Full Weight

3.5^{tons}

7720 lbs



Batteries

Nominal Power

36^{kW}

Hydrogen fuel cell

Output power Nominal Power

5^{kW} 51^{kW}

Electric Motor

Power

40-60^{kW}

Dimensions

5000 x 2000 x 2200 m

6^{europallets}



2200 mm

Range
typical battery

Running distance depending on range
on conditions of weather and load

250^{km}

Hydrogen Power Train
as an option

Sensors

Antenna 5.9 GHz + + GNSS + IMU + Ultrasonic Sensors



Encoders + + Batteries

+ Hydrogen Fuel Cells

3D Stereo Camera + + Side Camera

Camera + Camera



+ Ultrasonic Sensors

Latest News



Evocargo Inks Agreement with RTA Dubai

10/27/2021 **Dubai**

Evocargo announces a cooperation agreement with Roads & Transport Authority (RTA) to showcase and initiate trials. →



Evocargo Goes Global

10/05/2021 **Dubai Expo 2020**

Global autonomous cargo transportation company Evocargo presented its unmanned logistics platform EVO.1 at Expo 2020 Dubai →



Evocargo Successfully Tested EVO.1 at Open Warehouse

10/15/2021 **Moscow**

Evocargo EVO.1 autonomous vehicle successfully tested at open warehouse of Gazpromneft-Snabzhenie in Noyabrsk →

Topics to discuss

- Smart logistics
- Sustainable economy
- Autonomous vehicle production
- Hydrogen power
- Hydrogen technologies in vehicle manufacturing





Contacts for Media



EVOCARGO's team of experts is available for media inquiries and appearances on a wide variety of issues.

pr@evocargo.com

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[#evocargoevo](#)

[media center →](#)

Contacts for Press:

pr@evocargo.com



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Autonomous Logistics Now [evocargo.com →](http://evocargo.com)