Codognotto Group

Towards freight decarbonisation: Codognotto strategy & new collaboration with Tevva Motors Limited.

ALICE webinar *decarbonizing road freight transport* January 19, 2022

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Company Profile

Codognotto is an international company, leader in transport and logistics.

Founded in 1946 in Salgareda (Treviso, Italy), today Codognotto counts 2,000 own loading units, disposes of 200,000 m2 of warehouses, and it is present in the EU, the United Kingdom, the United Arab Emirates, India and Singapore, with an overall turnover of 300 million euros.



Services



Full truck load

Groupage

Seafreight

Airfreight

Intermodality

Logistics/warehousing

Customs services

Vision: Sustainability & Innovation

Codognotto is strongly committed to sustainability and innovation, relying on sustainable logistics to reduce our carbon footprint.

Codognotto developed both short and long-term strategies for a concrete change.

The Group has decided to commit to decarbonization through three main ways:

1) transition to multimodal transport

2) digitalization & process optimization

3) alternative fuels

Thanks to:

- Supply chain analysis
- Adoption of the principles and techniques of the Lean Production
- Investments



Shift to multimodal transport

Since the efficiency of freight transport is highly dependent on factors such as safety and stability, one other element to achieve zero CO2 emissions is the introduction of multimodal shift from road to rail and short sea in favor of the reduction of emissions, traffic, and accidents.

COD connections (rail/short sea):

- Poland Italy;
- Italy Spain;
- Poland United Kingdom;
- Italy Portugal;
- Italy and Netherlands to import and export goods from/to United Kingdom;
- Italy Russia;
- Rail connection between Italy domestic market;
- Poland Germany.



Digitalization

Necessity of:

- Implementation of new technologies
- Leverage data to modernize the supply chain
- Improve visibility, predictive information and automation through connected workflows

Technologies applied to:

- incoming/outgoing goods
- warehouse
- that are used for process monitoring

Digitalization

concept of synchromodality, i.e. innovation in the management and monitoring of mobility regardless of geographical aspects and which connects the various operators of the large-scale logistics chain through ICT applications (IoT, AI, etc.): truck drivers, railway operators or feeders, terminals, ports, warehouses, etc.

 \rightarrow shared logistics, where the transport of goods takes place in a more efficient, reliable and sustainable way:

- sharing data and information,
- managing events (delays, accidents, etc.) with shared alerts in real time
- for adaptive and collaborative redefinition of transport segment planning or terminal and warehouse operations,
- reducing unproductive waiting times and consequent costs.



CODOGNOTTO APP Show the route from your location to the next stop



ETA information can dynamically updated from the backend

Alternative fuels

As we are strongly focused on clean transport, we look forward to introducing alternative fuel solutions.

Today, all our fleet meets the latest environmental and safety standards and we are striving to continually improve.

In Italy, 100% of our fleet is LNG is it already being fueled with bio-LNG since 2021.

In the short term \rightarrow electric vehicles

In the near future \rightarrow develop new projects regarding the use of green hydrogen (transition from blue?)





Alternative Fuels

Example: EU Project e-SMART e-Mobility Smart Grid For Passengers and Last Mile Freight Transport in the Alpine Space

- e-SMART designs, tests and validates transnational tools for integrated planning of smart grid and electric mobility services and charging stations for local public transport and last mile freight logistics
- Tactical (planning) and operational (financing tools) road map development for public administration and private individuals
- Development of a Toolkit (Smart City Platform Decision)



Alternative Fuels

New Collaboration with Tevva Motors thanks to ALICE

- new collaboration to test e-mobility on the road
- battery electric and hydrogen rangeextended battery technology trucks
- At the moment: data logging equipment in Codognotto's current delivery vehicles for trucking distance travelled per day, fuel used, shift duration, average speeds
- This will enable Tevva to create a set of benchmark requirements that will inform the development of an "Codognotto Duty Cycle"
- Based on collected data, Tevva will create prototypes and production vehicles which will match the duty cycle of current Codognotto trucks on the road







THANK YOU!

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