## Cadex

## A Cargo Data Exhange platform

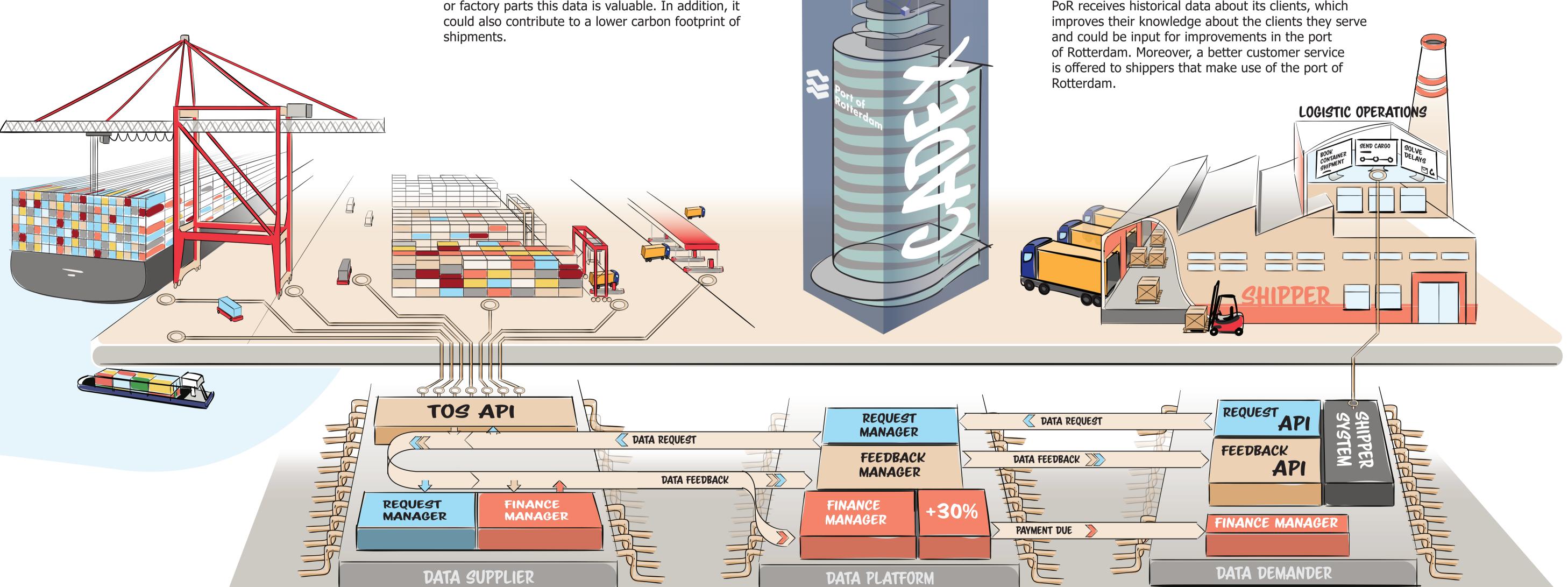
Sea ports are undergoing a digital transformation, which can offer benefits for many involved stakeholders in the logistic chain. In order to stay relevant, Port of Rotterdam (PoR) should invest in developing new port infrastructure and digital connections that facilitate data exchange between logistic chain stakeholders.

A strategic digital opportunity for PoR was found; a platform that has a focus on container data, which contributes to the competitive position of the port of Rotterdam and the business model of PoR.

The graduation project exploration resulted in Cadex, a data platform that facilitates cargo data exchange between data suppliers, e.g. terminals and data demanders, shippers. Cadex offers shippers real-time data about their containers that enables shippers to act upon containers that deviate from the planned schedule. By making cargo data easy accessible it could save shippers significant costs that come with transport, the deprecation of their goods, the management of their logistics and their inventory. Especially in time sensitive trade, like fresh goods or factory parts this data is valuable. In addition, it could also contribute to a lower carbon footprint of shipments.

The platform enables users to get data directly from the data owners (data supplies) like sea-port terminals and hinterland terminals and can therefore be labeled as reliable data. The data suppliers benefit from the revenue model the platform offers for their data and they are allowed to set their own asking price for this data, furthermore they benefit from the data they receive about their clients.

PoR would directly benefit from the data exchange by charging a percentage of the price. In addition, PoR receives historical data about its clients, which



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