

# **DataPorts - COREOR Pickup Use Case: Making Ports Nodes in the Global Network**

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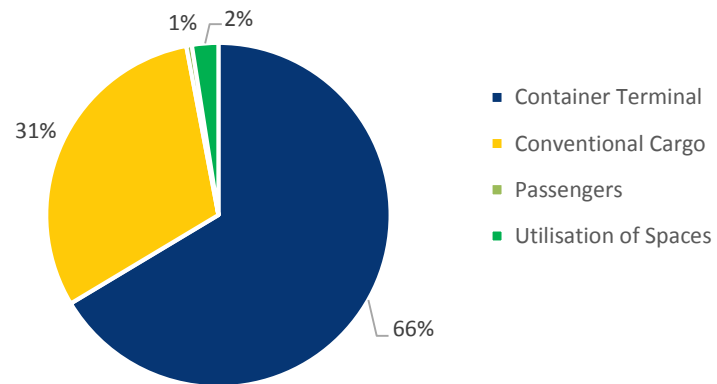


*November 2022*

# Port of Thessaloniki (ThPA), GR



ThPA 2021 Revenue



Containers

335.131 TEUs



Dry Bulk

2.329.579 tons



Liquid Bulk

35.434 tons



General Cargo

473.919 tons



Vessels

1.354



- **COREOR – Container Pickup**
- **Statistics – Queues Predictions**
- **Mobility – Movement of people and vehicles**
- **Global Use Cases: Posidonia Operations & Smart Containers**

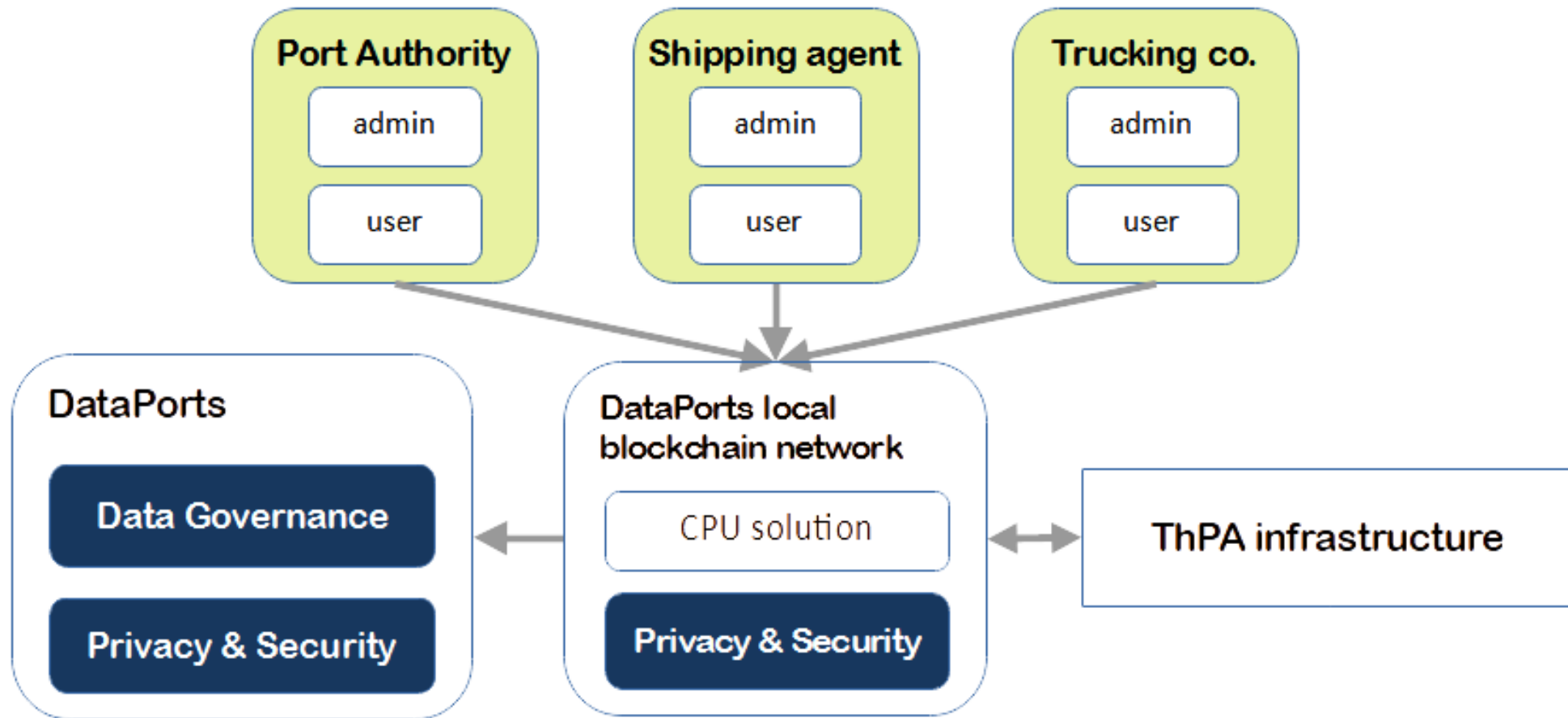


**The goal:** To support ThPA ecosystem stakeholders to better organize and manage the containers' pickup, with emphasis to land gate access.

**How:** The Blockchain application will facilitate secure information sharing between ThPA and supply chain-related parties (shipping agents and trucking companies), concerning the business cycle of the electronic request to pick-up a container.





- **ThPA Terminal Operator:** Needs to have unified information from a number of systems, so as to verify that all relevant paperwork is in place and provide the container release order.
- **Shipping Agent:** Needs to make the arrangements and relative paperwork for his cargo pick-up.
- **Trucking company:** Needs to be timely informed for the container pick-up.



# Container Pickup - Process



- Shipping agents - arrange all paperwork
- ThPA - verifies paperwork is in place and approves
- DataPorts - will introduce the Blockchain component, storing the submitted COntainer RElease Order

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| Αρ.Φ. Μητρώου Καταχώρισης: ****<br>Αρ.Φ. Μητρώου: ΤΡΙΤΟΣ ΧΩΡΟΣ<br>Τελεμένης Ελπίσματος: ΙΜΑ<br>Αρ.Φ. Τυχευακού Επαιτητή: ****<br>Β.Τ.Χ. Χαρδούρου: 0<br>Β.Τ.Χ. ΝΡΝ: 200-*****  |   |   |
| Οργανωτική ομάδα: *****-*****<br>Εμφανίζει:<br>Επλήρωση: ΒΙΟΜΗΧΑΝΙΑ<br>Δεσφύνει: *****<br>Αρ.Φ. Ομάδ. Μητρώου: *****<br>Α.Α.Υ.: *****  |   |   |
| <b>ΠΑΡΑΔΟΣΗ</b>  |   |   |
| <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;">         Μόδα: 1.12.2020       </div> Αρ.Φ. Υπολογιστή: *****<br>Ο υπολογιστής: *****<br><div style="text-align: right; margin-top: 20px;">         Θεσσαλονίκη 12 / 12 / 2020<br/>         Ο υπαλλήλος<br/> <br/>         07 ΔΕΚ. 2020       </div> |   |   |
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ΕΞΟΦΛΗΘΗ



# COREOR for Container Pickup - Sample



Structure of a COREOR message.

Shipping agent requests the release of a container, **and** specifies the Trucking Company that will pick it up.

THPA approval generates a **Permit ID**

```
<?xml version="1.0" encoding="ISO-8859-7"?>
<!DOCTYPE COREOR SYSTEM "http://fnet.thpa.gr/www/COREOR.dtd">

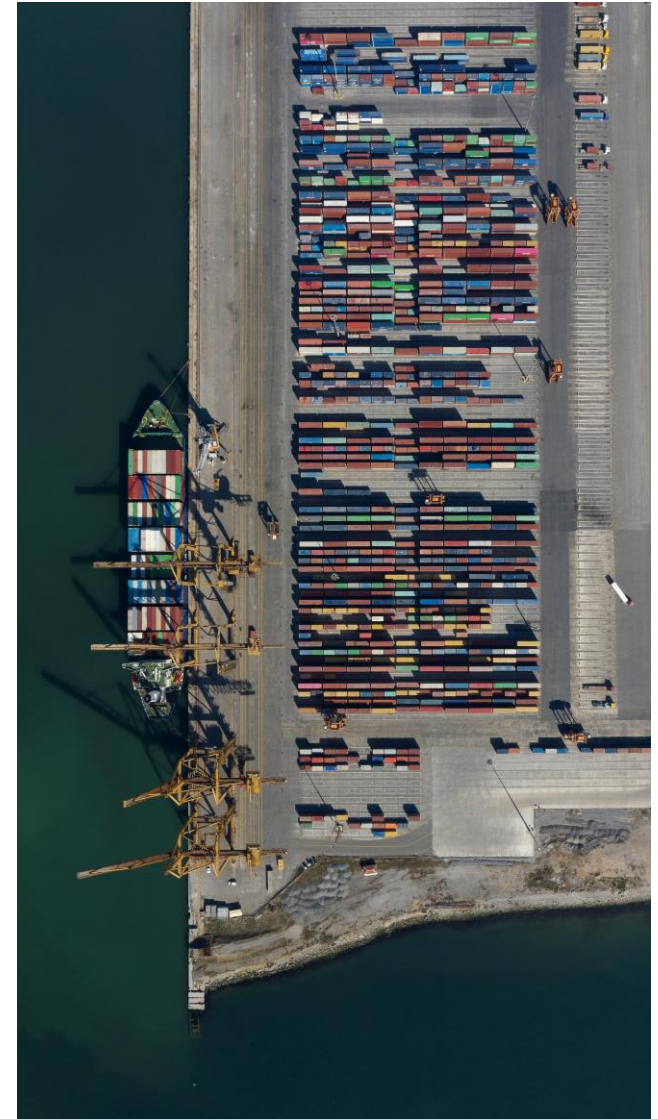
<COREOR>
  <Recipients_List>
    <Port>GRSKG</Port>
    <Company>THPA</Company>
  </Recipients_List>
  <HEADER Sender="997642" EDI_Recipient_ID="" Message_Code="1201999297870"
    Message_Date="25/01/2021 09:19:37" Captain_Name="TSERGA"
    Passengers_No="4" VO_Code="XVOX" Ship_Name="XVEX"
    Ship_Arrival_Date="25/01/2021 08:30:00"
    Port-Origin="GRSKG" Port_Destination="GRSKG"
    Message_Type="1" />
  <DETAIL>
    <Container Primary_Agent="999888777" Trucking_Company="12345"
      SEQ_ID="0" Container_ID="ABCU0000999"
      Container_Type="PC" Container_Size="40" IMO_Class="0"
      Seal_No="NONE" Cargo_Type="KENO" Cargo_Weight="4000"
      Handling_Date_Schedule="25/01/2021 08:30:00"
      Delivery_Date_Schedule="25/01/2021 08:30:00"
      Origin_Code="4" />
  </DETAIL>
</COREOR>
```

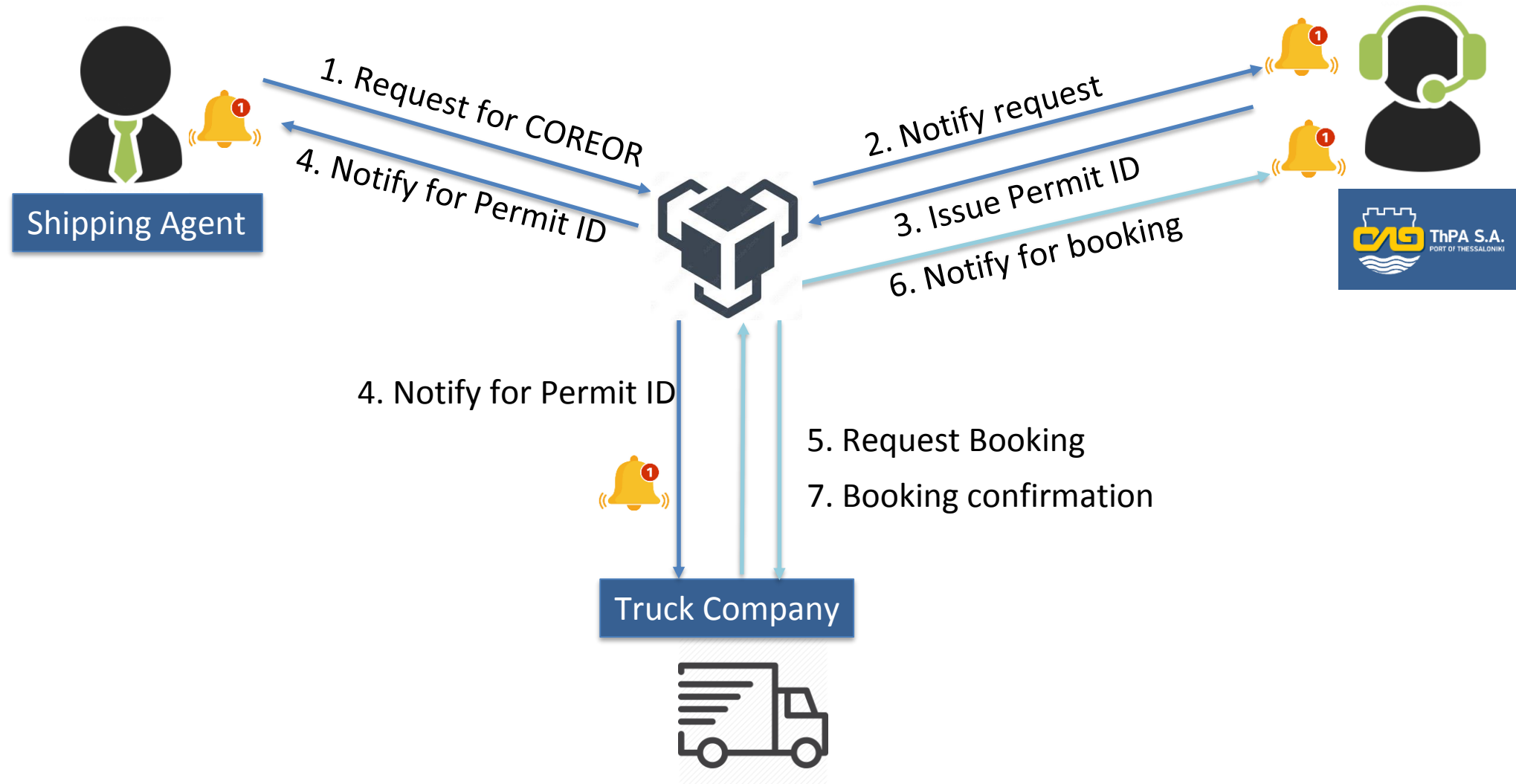


# Permit ID for container pick-up (step 2)



- THPA approval of the XML request, generates a unique **Permit ID**
- Shipping Agent and Trucking Company are notified of the Permit ID
- The Trucking Company uses the Permit ID to arrange a booking (appointment), using ThPA's Truck Appointment System (TAS).







- Safe & secure transactions and data exchange
- Immutable single source of truth for all transactions
- Transparent business cycle of a container discharge
- ThPA ecosystem stakeholders can optimize their processes
- Platform contains and combines data from different sources and entities
- Increase of operational awareness, reduction of time loss – optimized use of resources



# Thank You For Your Attention

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