Digital Infrastructure

- Physical
- Technology Infrastructure
- Network, Marketplace or Community

Expand?

Digitize
For over a decade, Port of Rotterdam has been developing its local digital infrastructure. A strong local digital infrastructure is a prerequisite for an attractive Rotterdam. Historically, we have been front-runners in developing our infrastructure, via:

1. Port Community System (Data hub)
2. Port Call Optimization
3. Intra-port modality alignment
4. Physical & Digital supply Chains
5. Smart Infrastructure

A local infrastructure only delivers upon its true value as the subset of a global digital trade infrastructure.

The port of the future functions as an ecosystem player within the global platform infrastructure, building from its local infrastructure.
CUSTOMERS DEMAND FROM PORTS TO ORGANIZE OURSELVES ON 4 LAYERS

- **Standardization**
  - Drive Initiatives on standardisation on event & location data in port operations

- **(Regional) Data Sharing Capability**
  - Port Community Systems continue developing local smart data services

- **(Global) Interoperability**
  - Multiple initiatives on data sharing/datahubs, need for global connectivity

- **Services**
  - Services for Authority, Port Call, Supply Chain & Trade Finance

Only partially in our ports sphere of influence
PORT ECOSYSTEM STAKEHOLDERS
EXAMPLES, NOT LIMITATIVE

PoR Focus

- (Digital) Port Consultancy & Participations
- Connect via Portbase International (NW EU)
- Collaborations & MoU’s

- Port Call Optimization in Rotterdam
- Data standardization & interoperability for global optimization

Supply Chain

- Efficient, transparent & sustainable supply chains via Rotterdam

Datahub Functionality

- Smooth data integration with platform players in Supply Chain & Trade Finance

PoR Focus

- Define and set global standards related to Maritime and Supply Chain data definitions and interoperability
- Work with Dutch and foreign Authorities to facilitate seamless supply chain facilitation