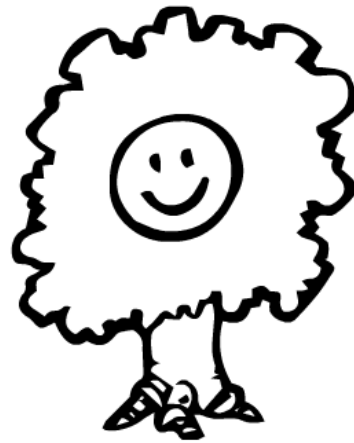


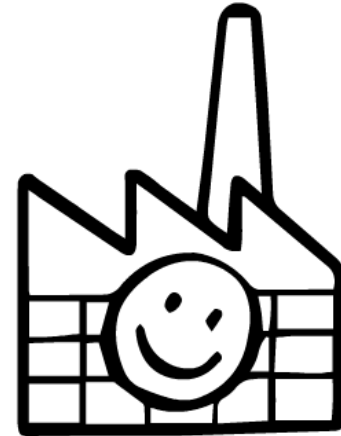
Two years ago in Los Angeles



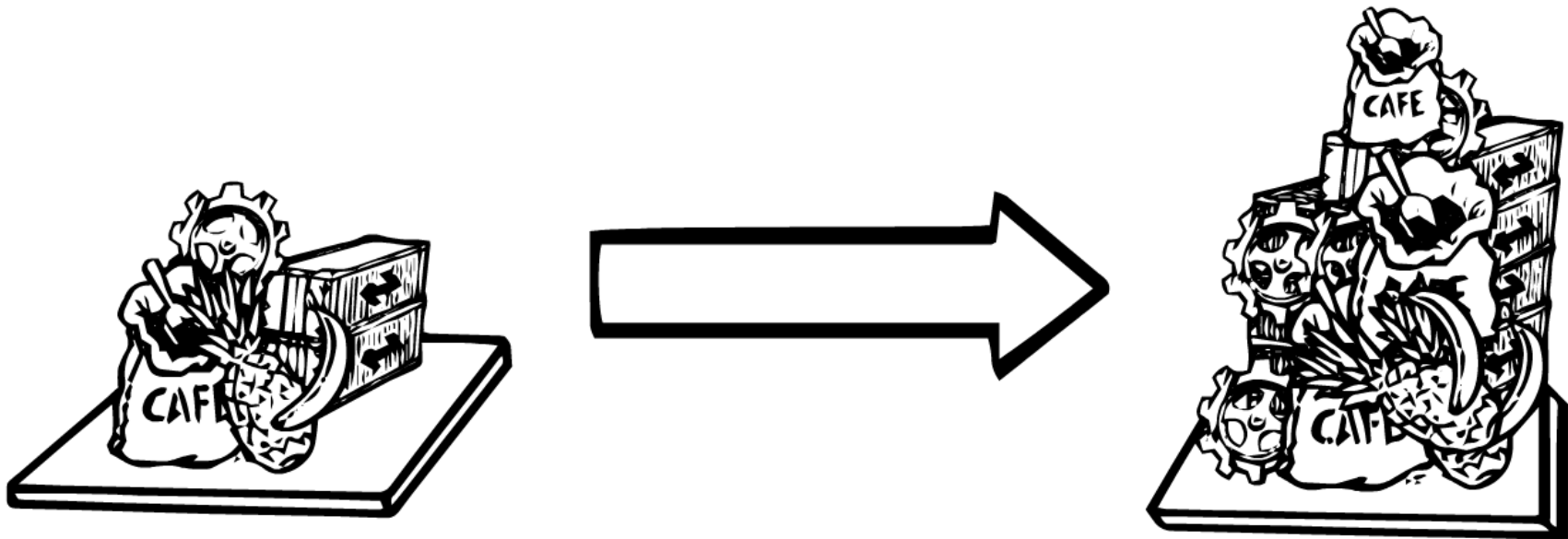
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Challenge: Doubling capacity – without doubling space



More goods – less emissions

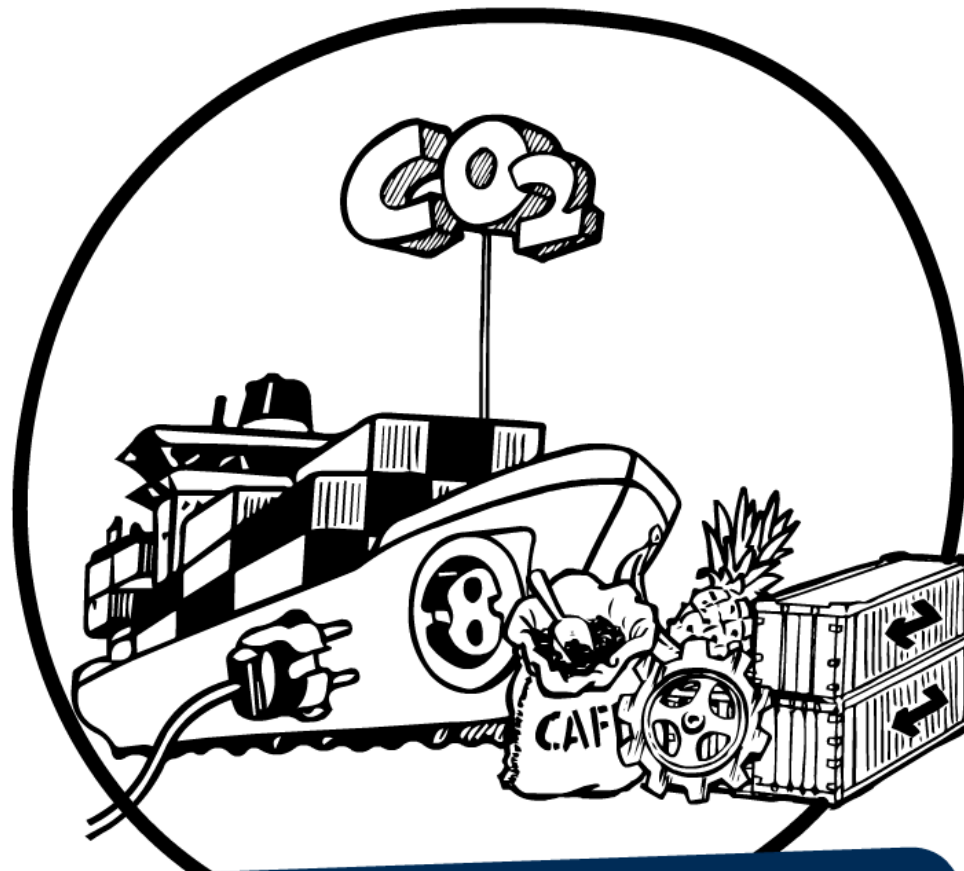


smartPORT energy



smartPORT logistics

more goods - less



smartPORT energy

Five good reasons for smartPORT Energy



Environment



Economy



**Laws &
Regulations**

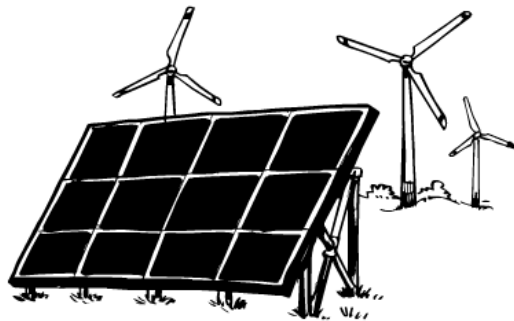


Innovation

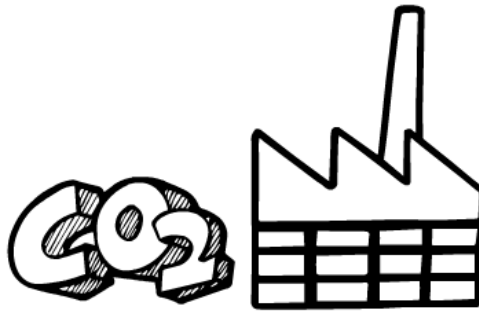


Infrastructure

Our energy strategies for a greener port



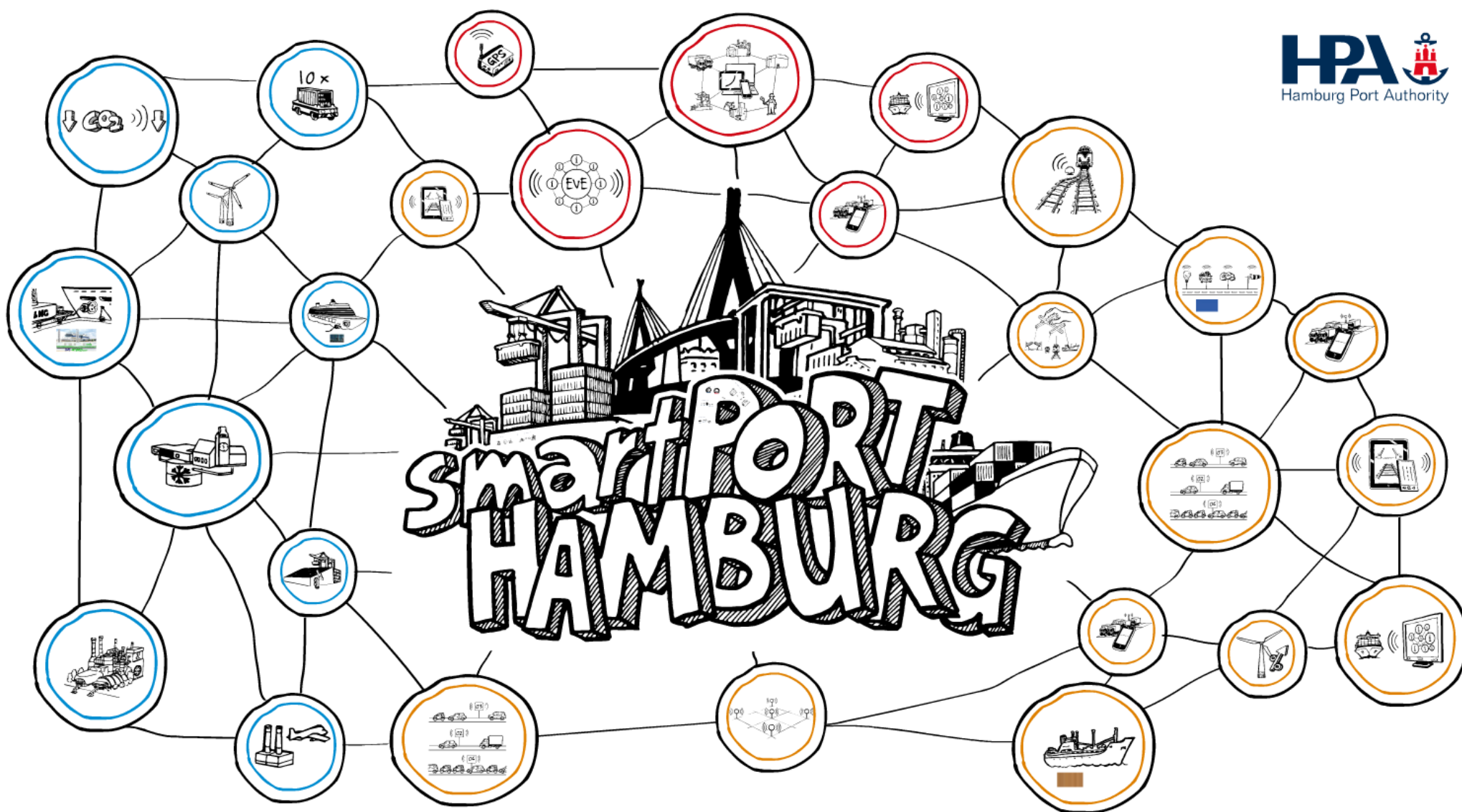
Renewable Energy

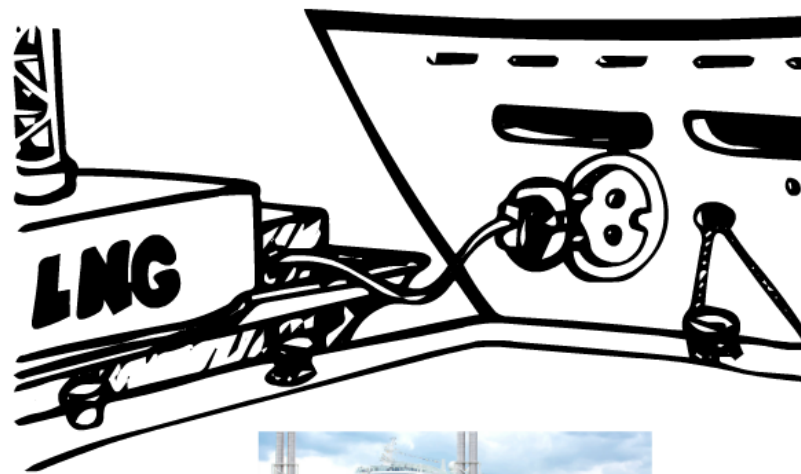


**Energy Efficiency
and Smart Energy**



Mobility

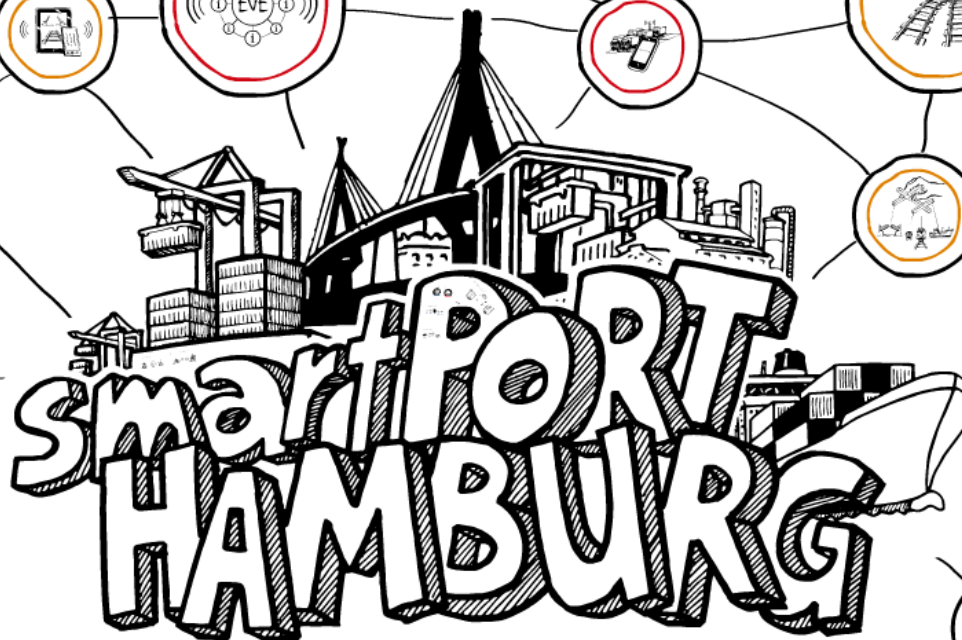


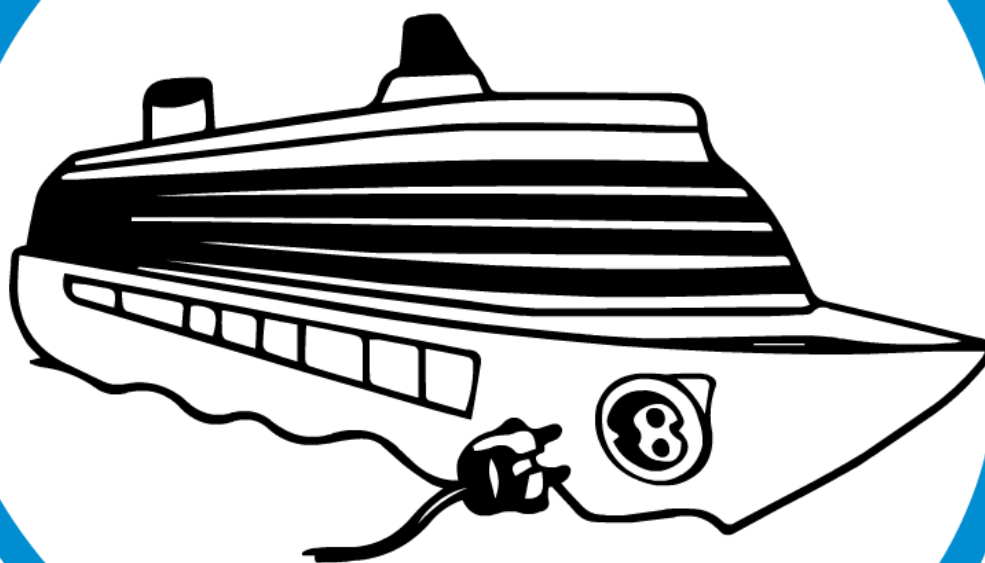




tpremiere: umweltfreundlicher Strom aus Erdgas für im Hafen liegende

LNG-HYBRID.com

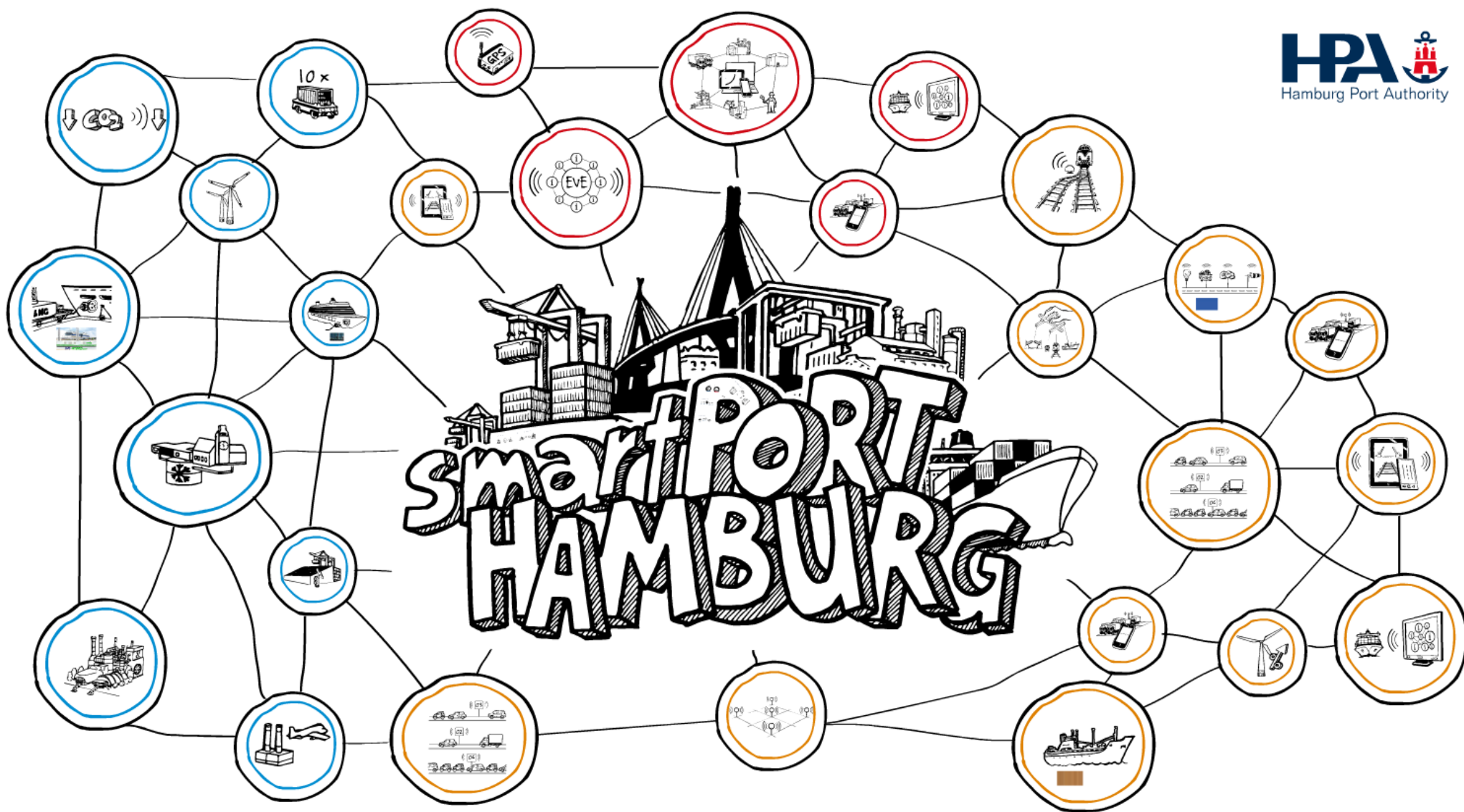






LANDSTROM ALTONA

Europcar



More goods – less emissions



smartPORT energy



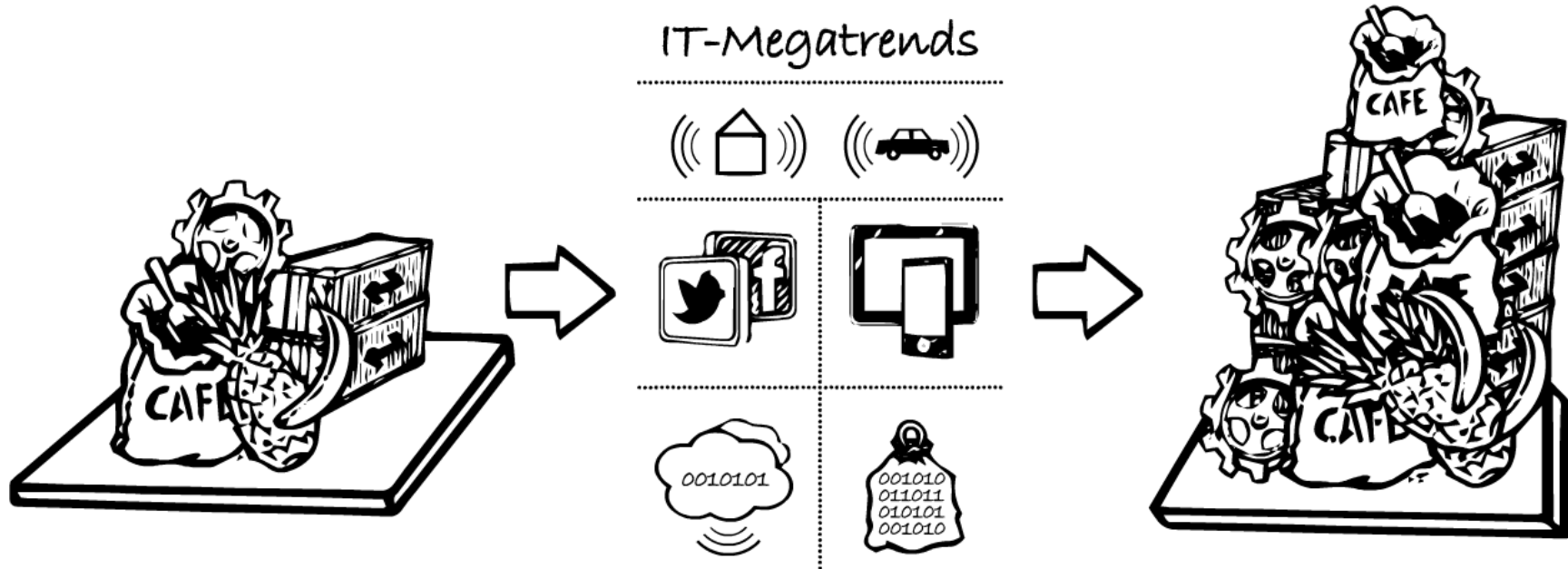
smartPORT logistics

as – less emissions

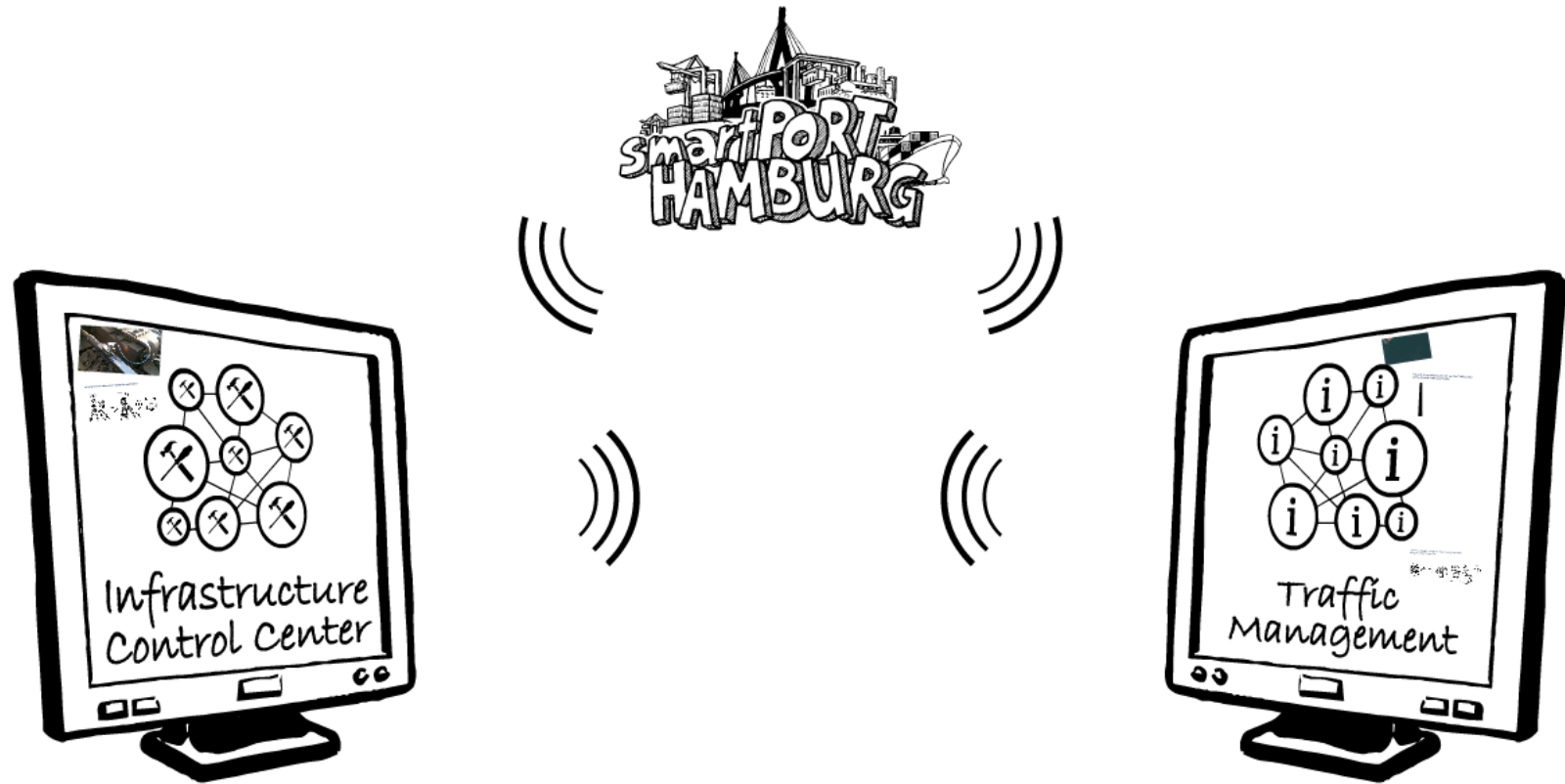


smartPORT logistics

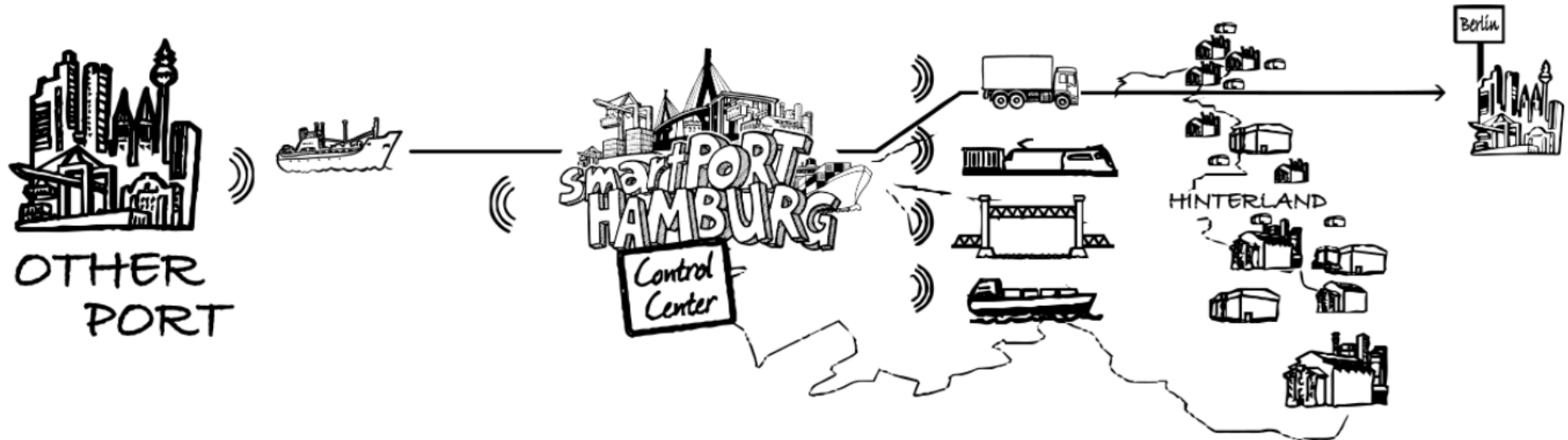
smartPORT logistics: we use the five
IT mega trends to increase capacity



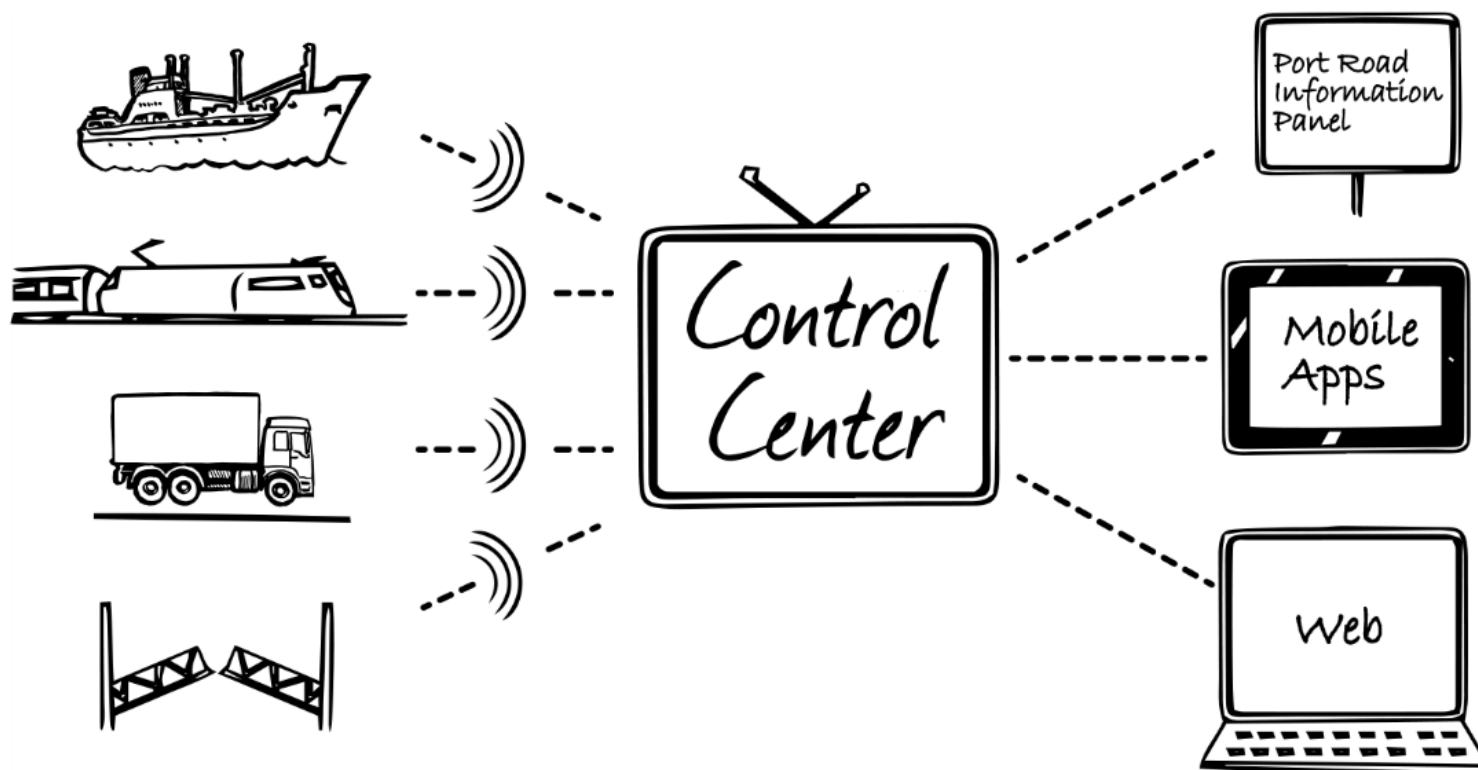
By integrating different management systems we reach the highest level of efficiency in a port



Our vision of traffic management: Connecting information along the whole supply chain

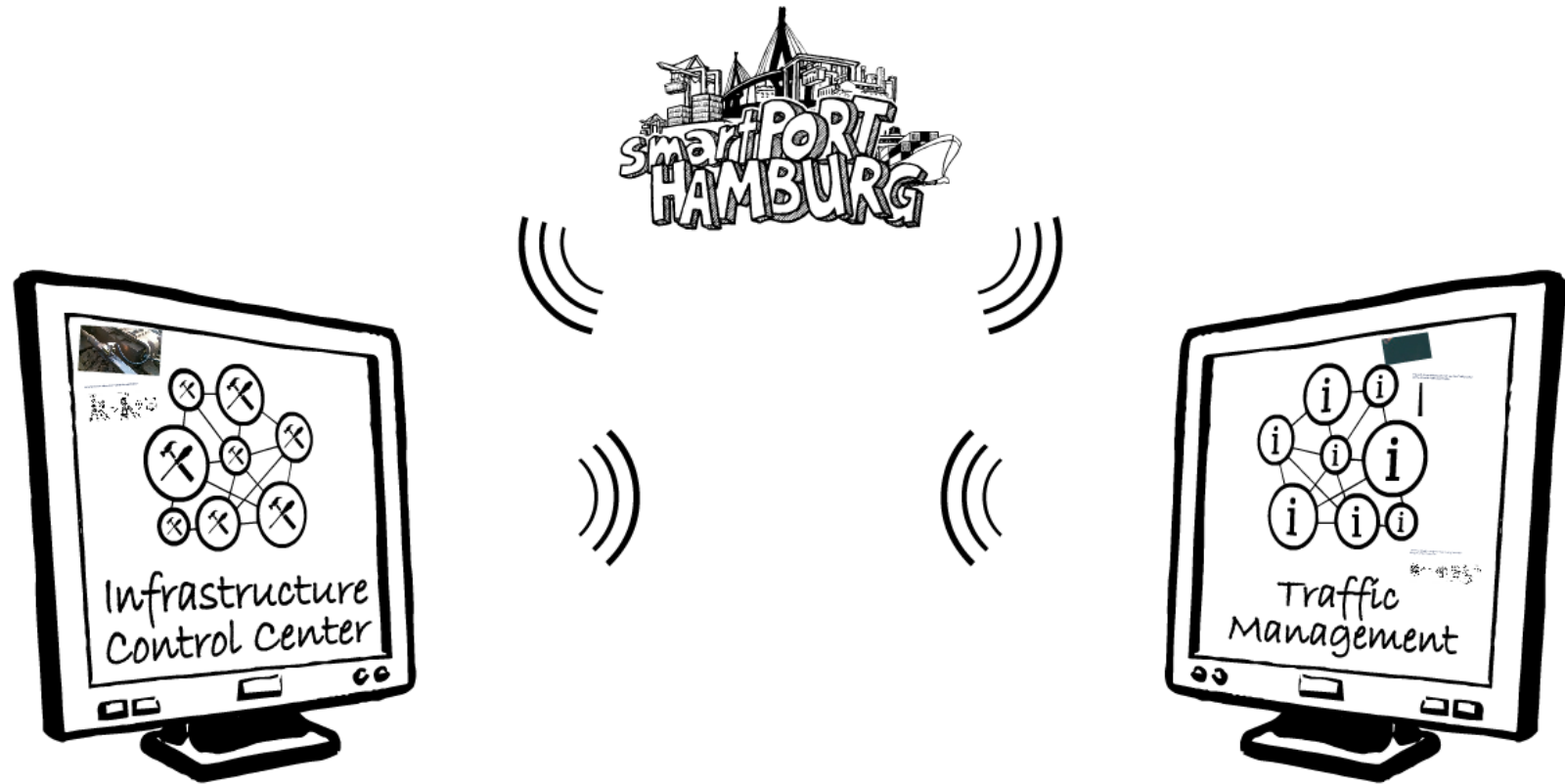


The goal of our pilot-project: Only one Port Traffic Center for the complete traffic coordination



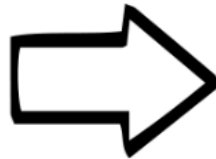


By integrating different management systems we reach the highest level of efficiency in a port

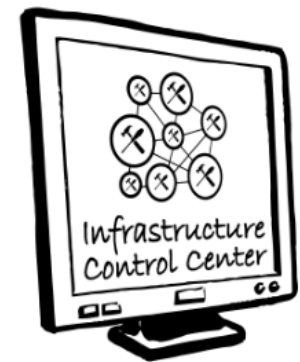


No infrastructure failures due to predictive maintenance

Past

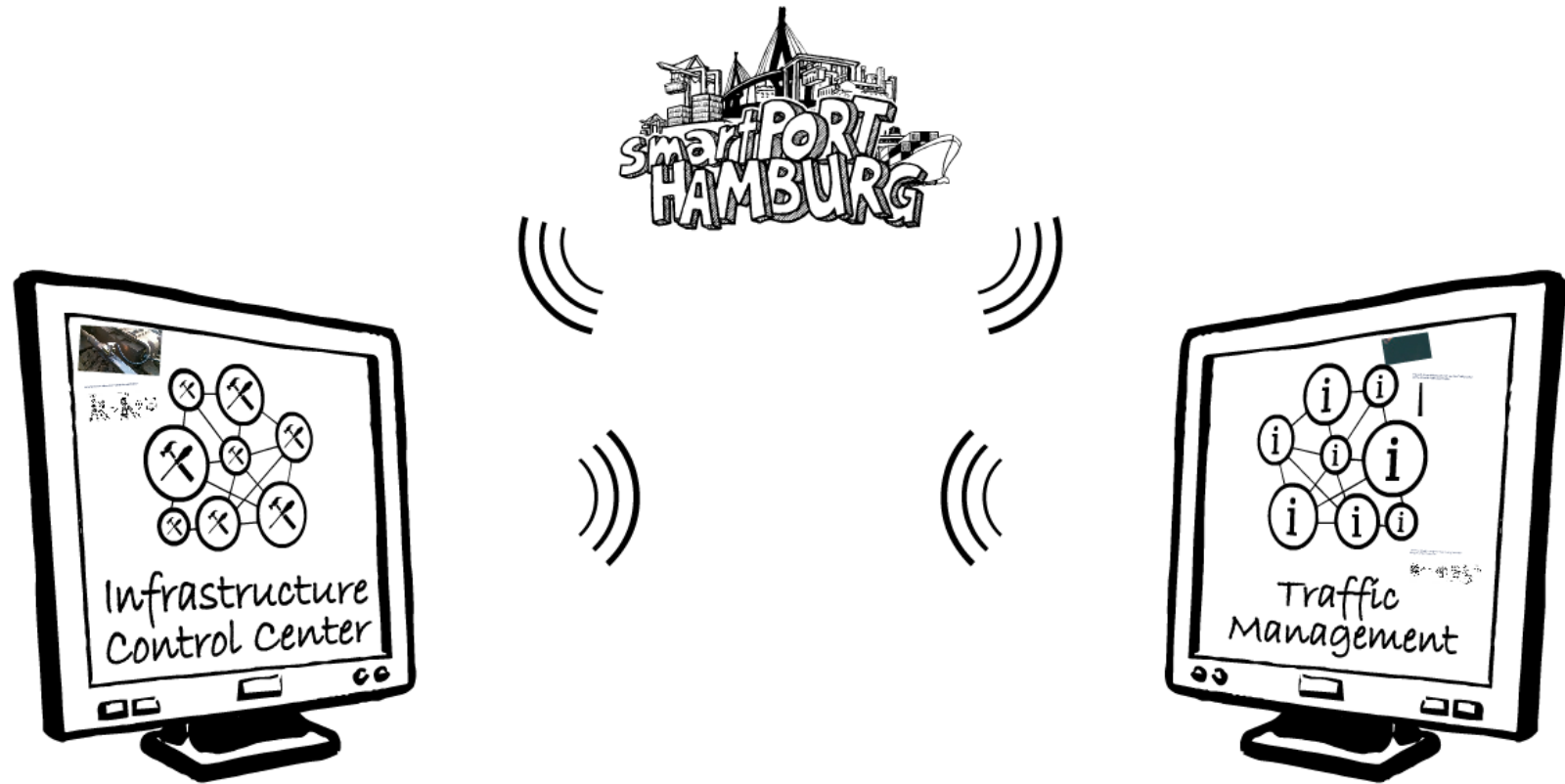


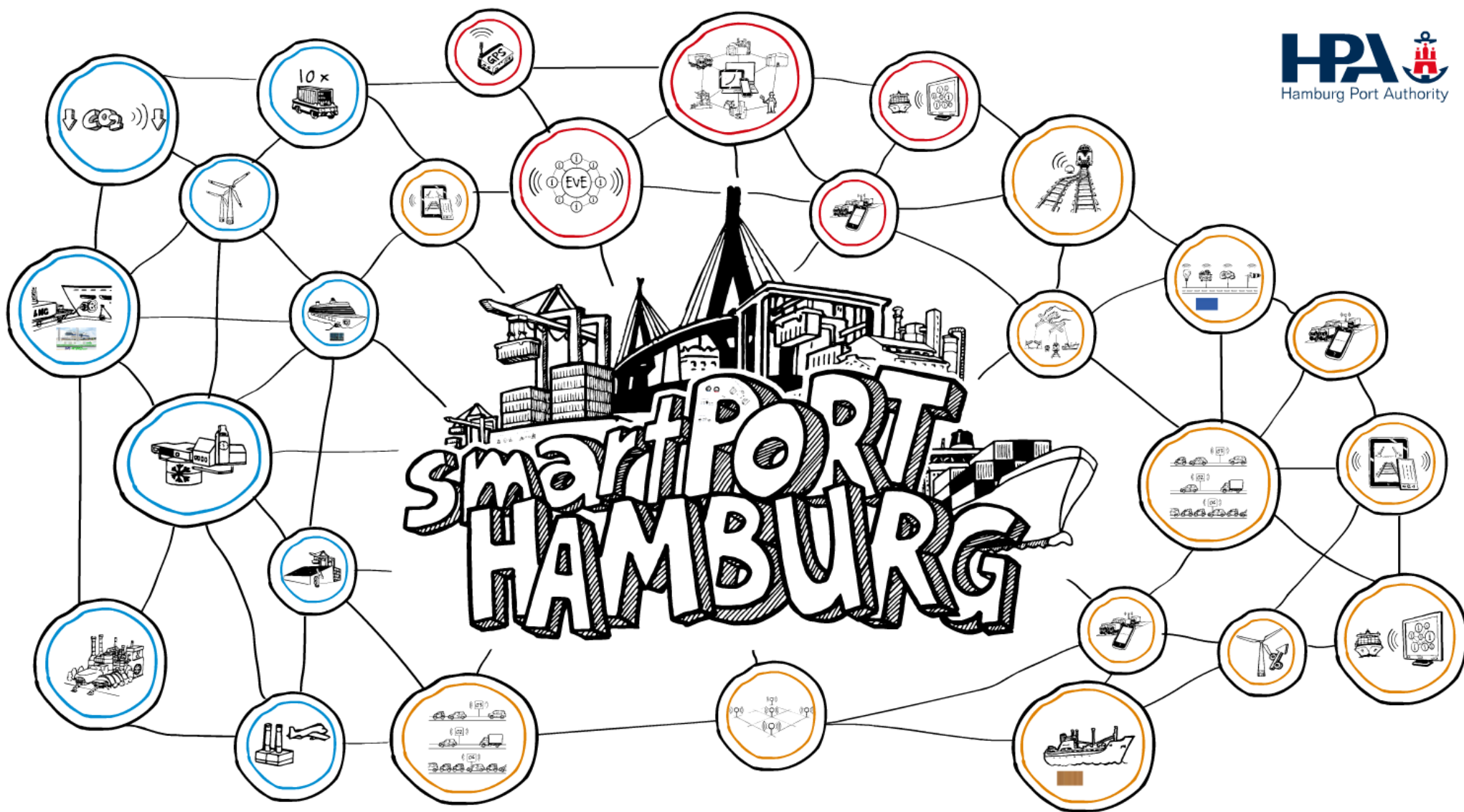
Today

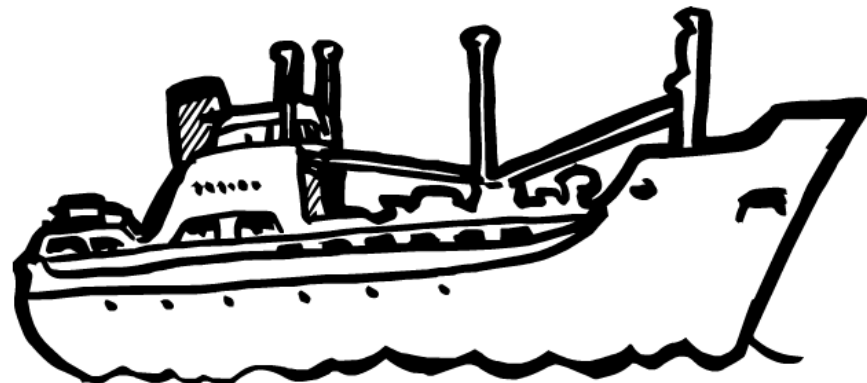




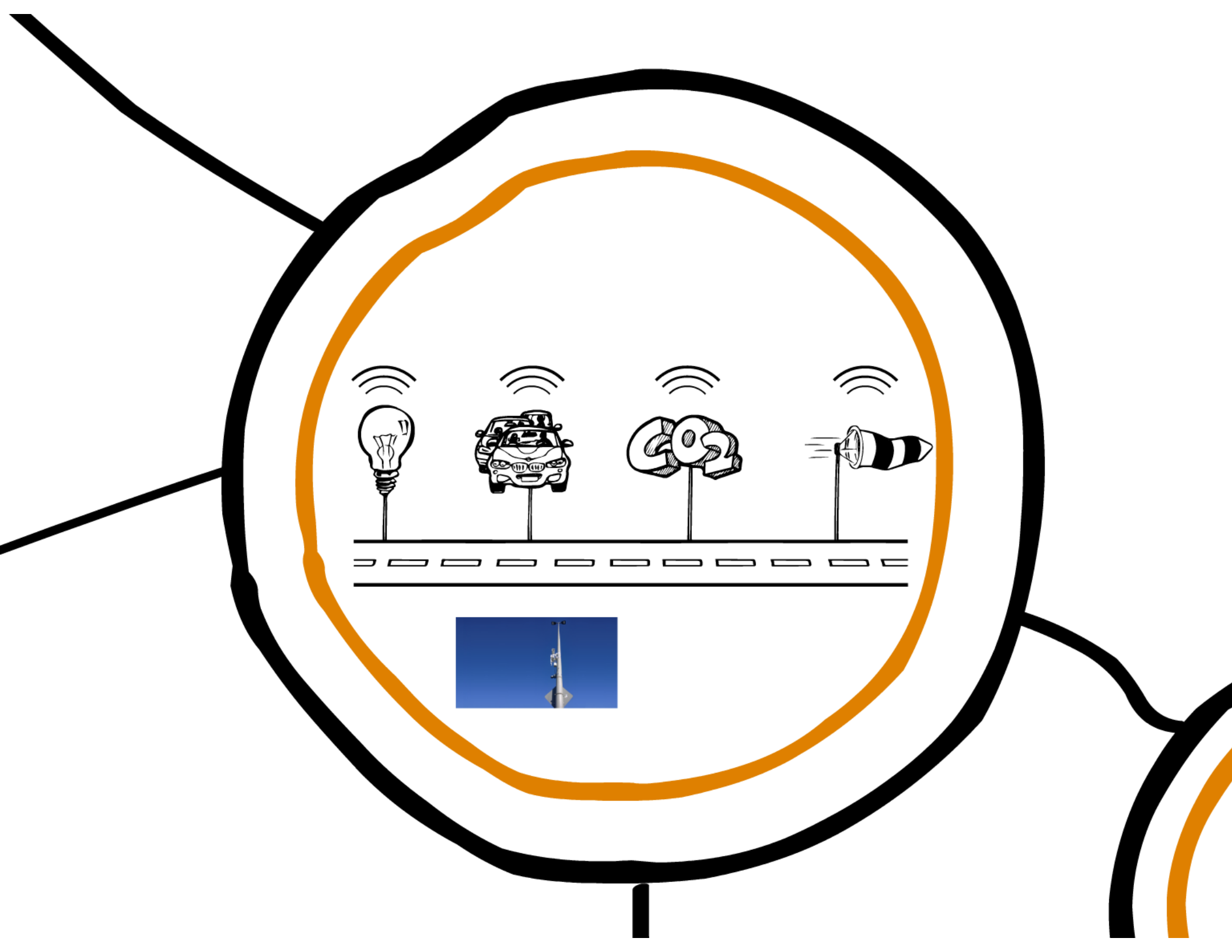
By integrating different management systems we reach the highest level of efficiency in a port



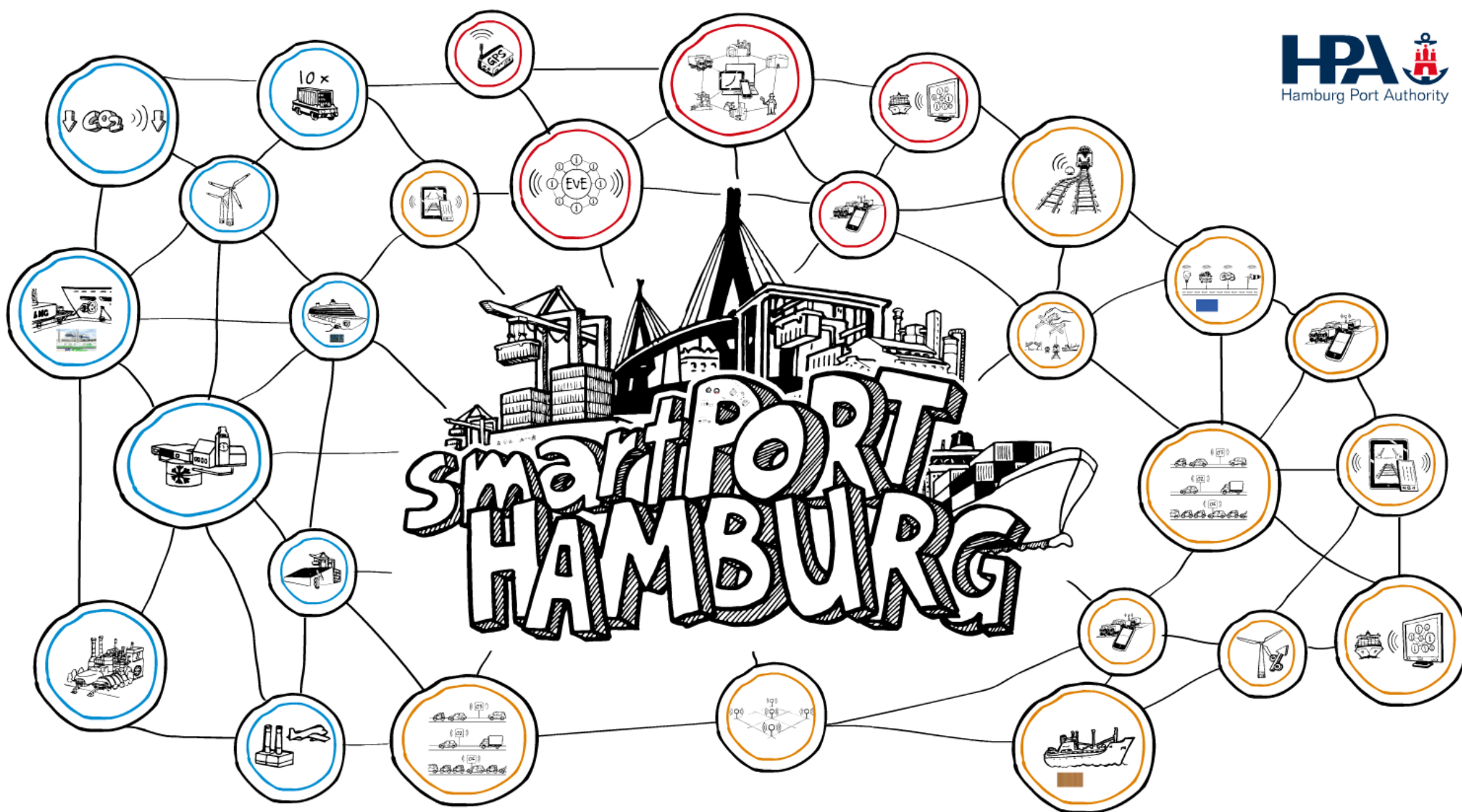


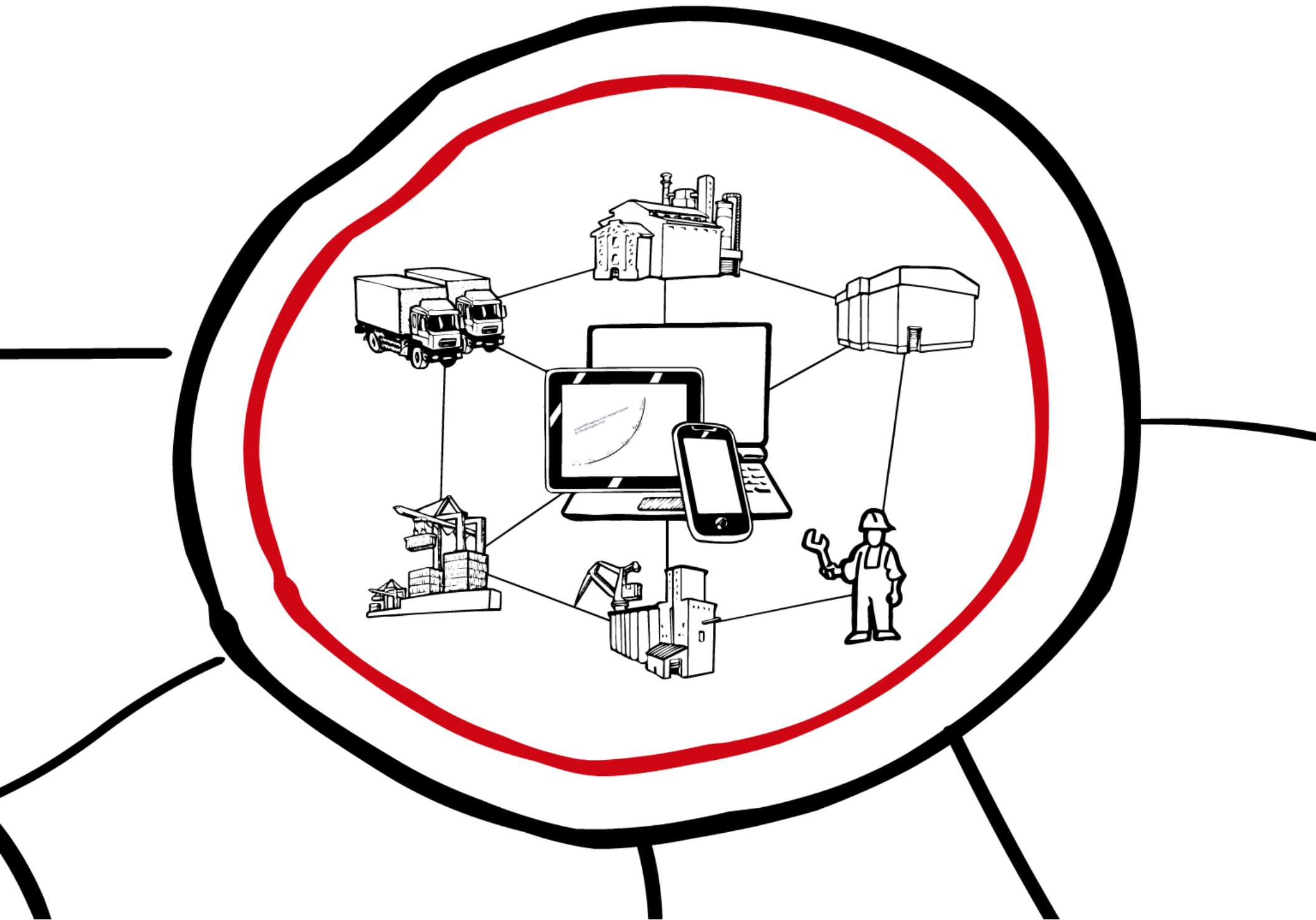




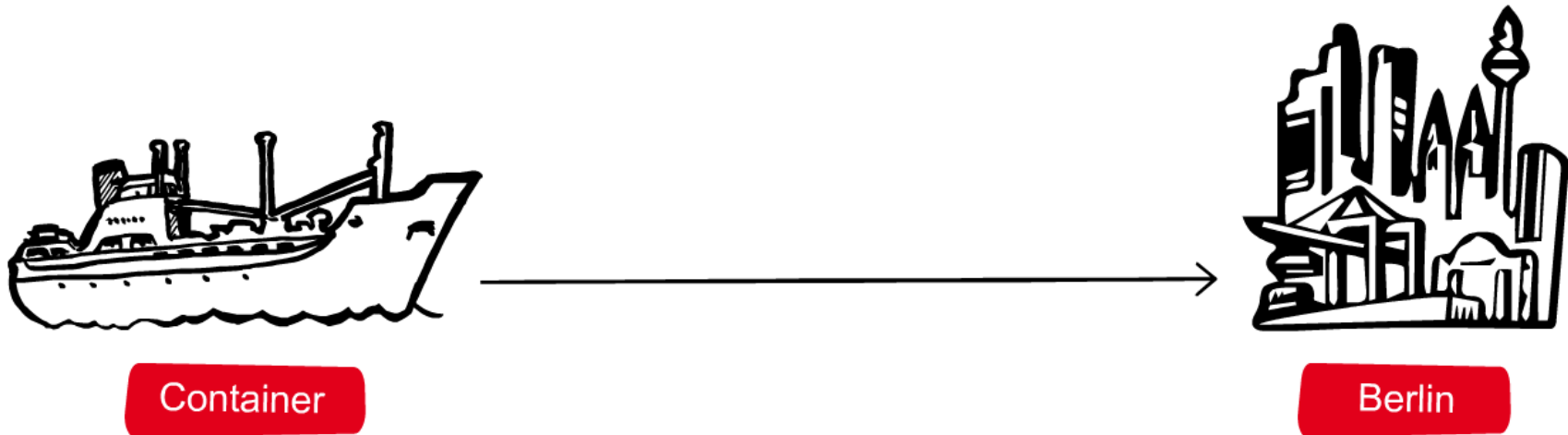


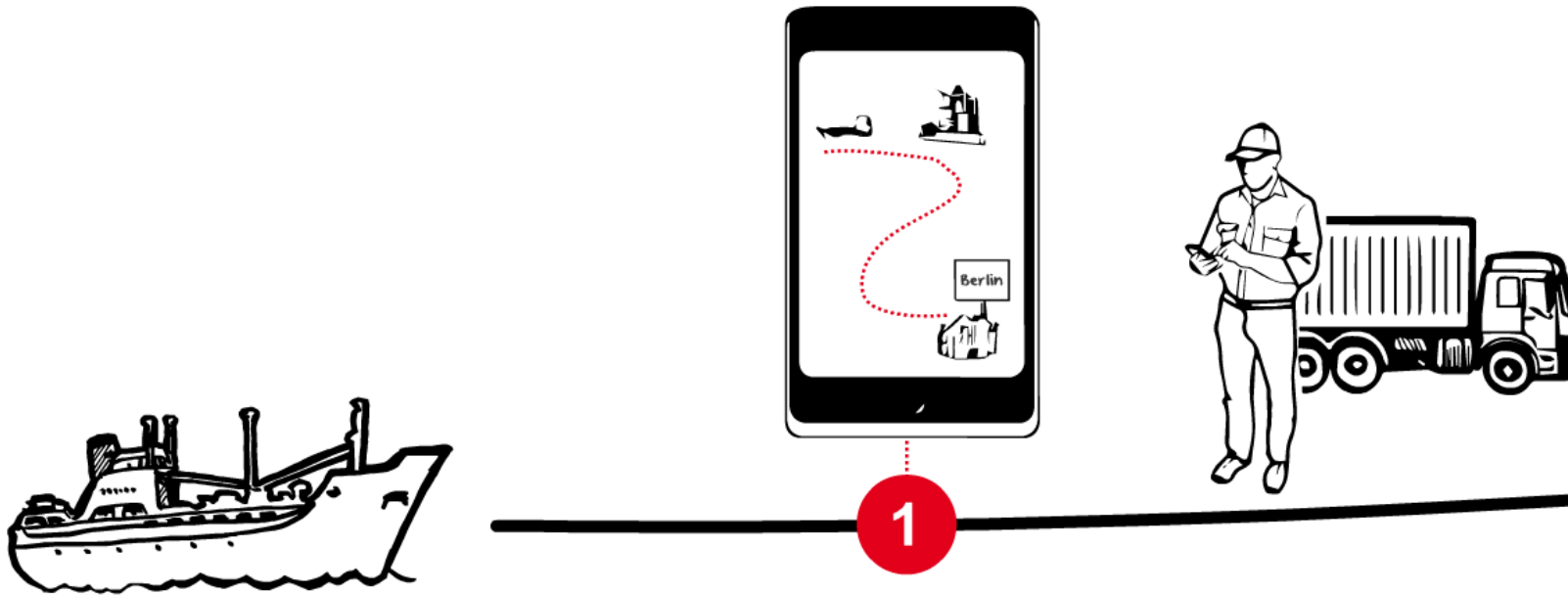




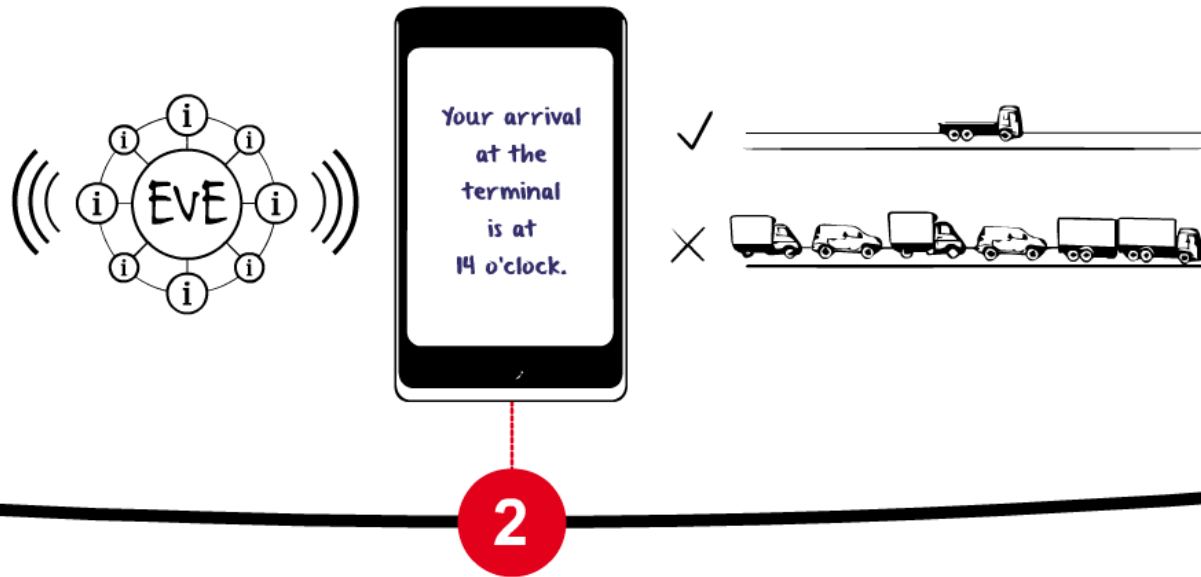


Pilot Project SPL: Our next generation solution for the trucker





Complete port traffic information via one app

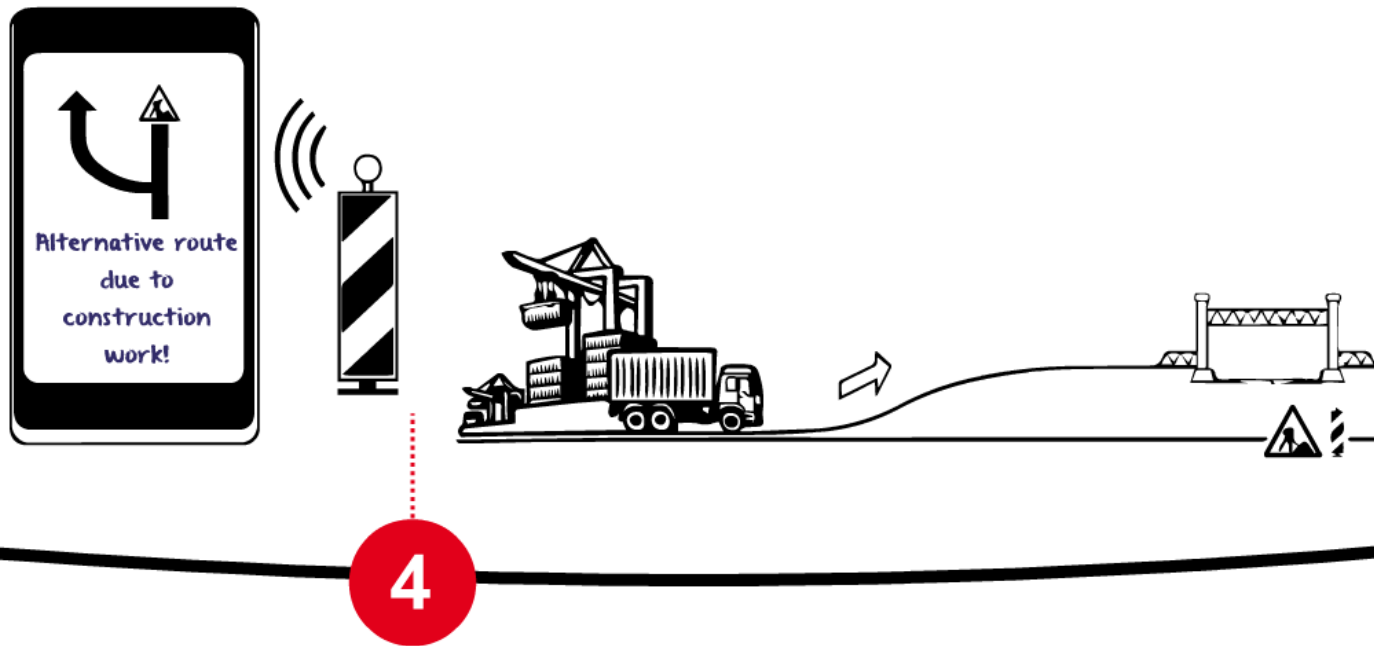


EVE: port traffic information & forecast at any time

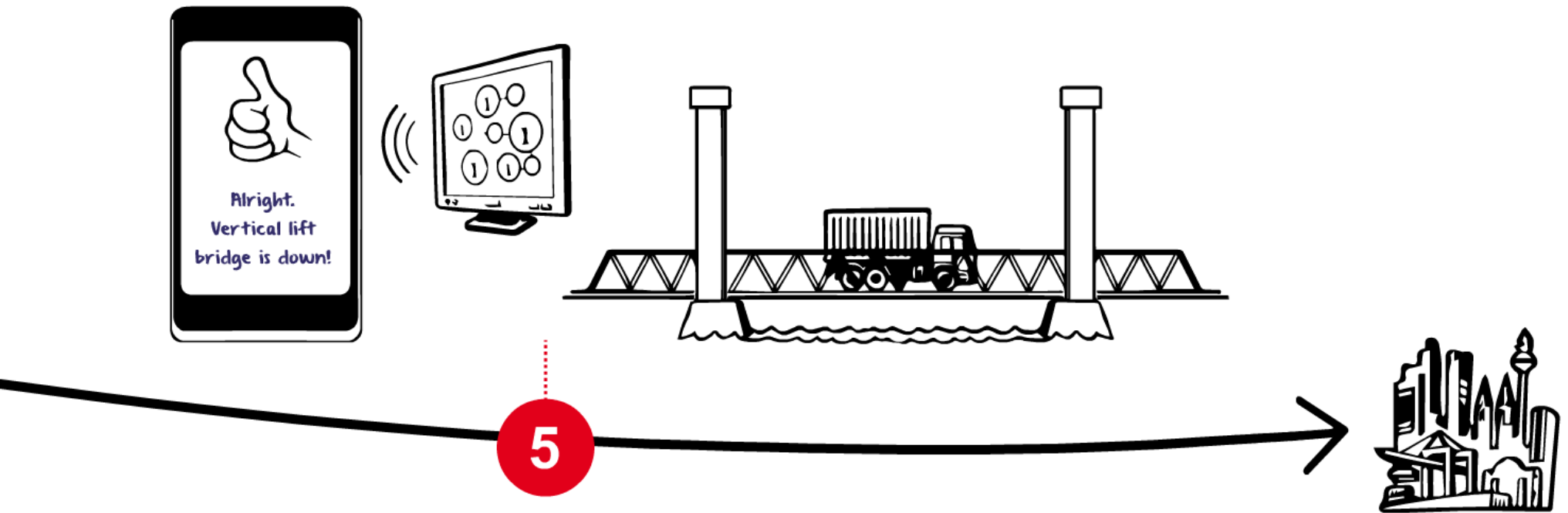


3

Smart Parking: perfect capacity usage



Smart Tag: data of all construction sites
in real time – even daily construction



Port Monitor: One eye on the whole port

smartPORT logistics is the intelligent solution for the port logistic chain

