Rijkswaterstaat
Ministry of Infrastructure and the Environment

MIVSP

IT services in windfarm zones

Wiebrand Bouwkamp

Technical manager
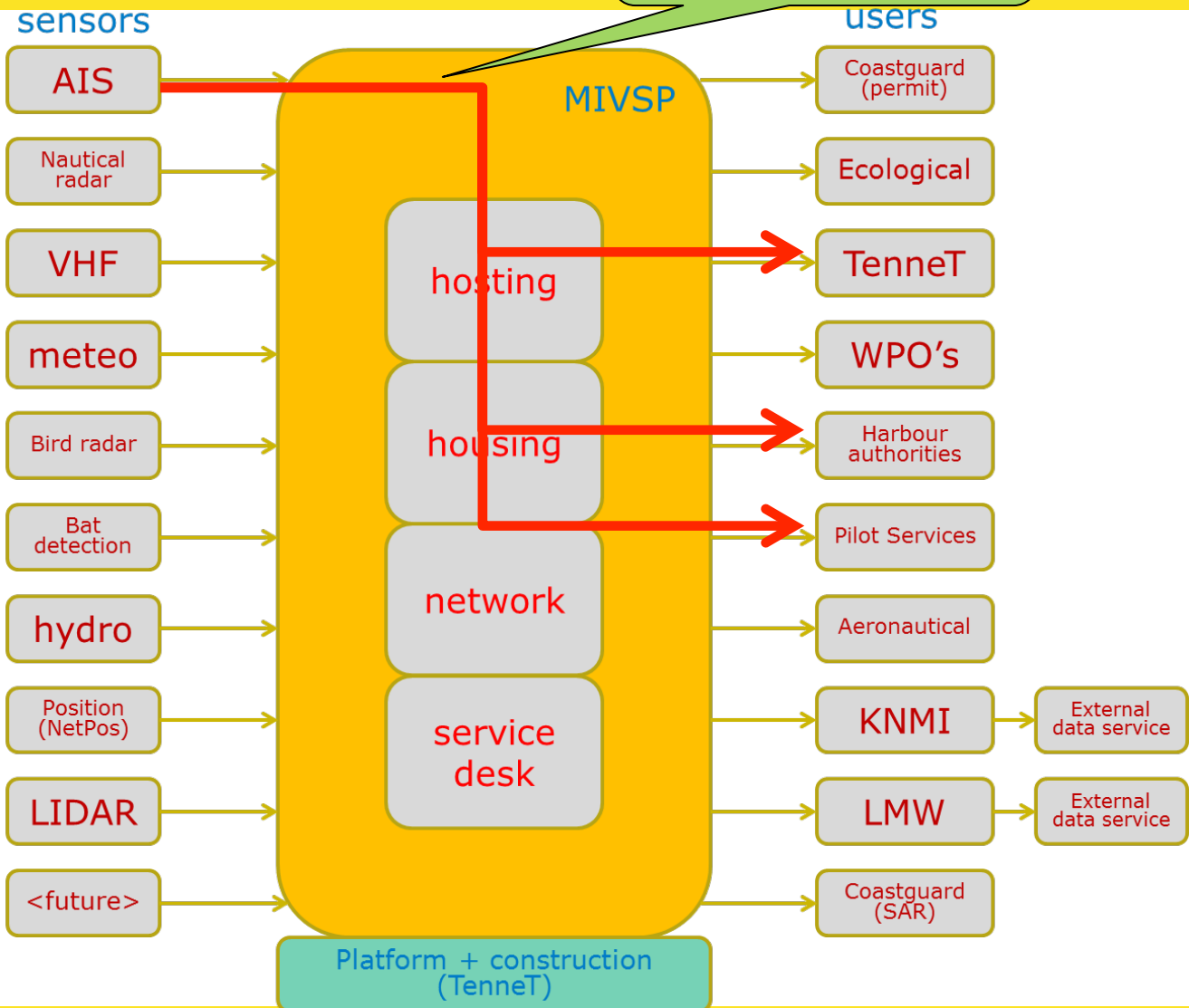
MIVSP – what is it?

- <u>M</u>aritime <u>IV</u> <u>S</u>ervice <u>P</u>oint aka Shared Services (TenneT)
- <u>One</u> IT/ICT-service organisation on the platform
- Installs and maintains all environmental sensors
    - Meteorology
    - Hydrology
    - Shipping positioning (radar, AIS)
    - Communication (IP-service,VHF, RoIP)
- Offers added value (co-location, monitoring, repair)
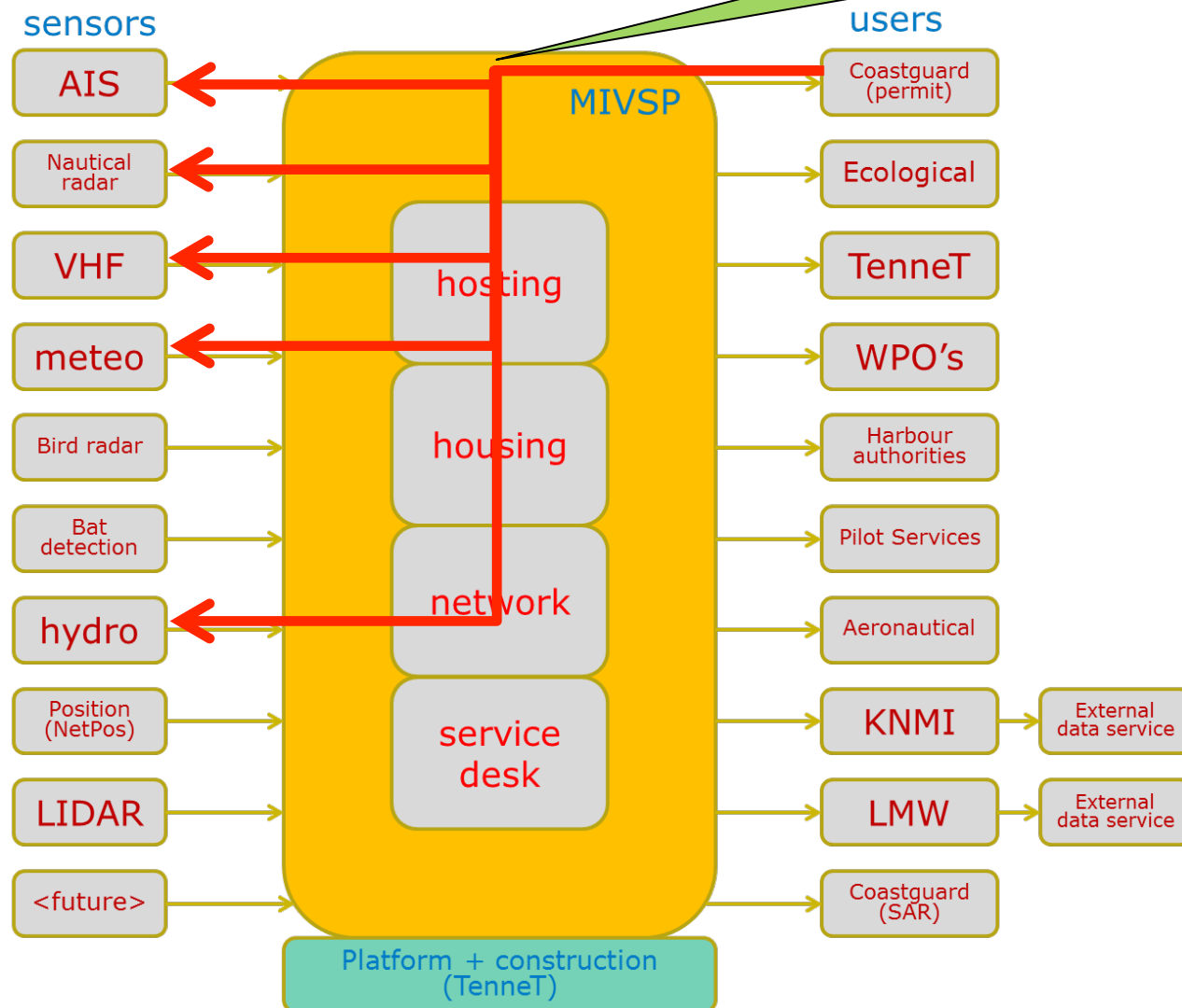- Services based on SD's en SLA's
- Multiple parties
- Cafeteria model

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MIVSP

MULTIPLE USERS PER SENSOR

sensors

- AIS
- Nautical radar
- VHF
- meteo
- Bird radar
- Bat detection
- hydro
- Position (NetPos)
- LIDAR
- <future>

MIVSP

- hosting
- housing
- network
- service desk

Platform + construction (TenneT)

users

- Coastguard (permit)
- Ecological
- TenneT
- WPO's
- Harbour authorities
- Pilot Services
- Aeronautical
- KNMI → External data service
- LMW → External data service
- Coastguard (SAR)

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Rijkswaterstaat
MIVSP

MIVSP – What's in it for you ?

- Quality, continuity, single point-of-contact

- Uniform data collection and distribution

- Platform safety

- Opportunity to stay focussed on your own core business

MIVSP – Why Rijkswaterstaat/CIV ?

- IT/ICT service is core-business

- Ample system knowledge available

- Nautical experience (vessel traffic systems)

- Industrial automation

Core Business

MIVSP – how do we proceed ?

- Customer consultation on short notice

- Planning led by TenneT milestones (2016-2023)

- Questions/suggestions for MIVSP to be sent by mail (mivsp@rws.nl)

Rijkswaterstaat
MIVSP

Backup slides

Rijkswaterstaat
MIVSP

Rijkswaterstaat is responsible for the design, construction, management and maintenance of the main infrastructure facilities in the Netherlands. This includes the main road network, the main waterway network and watersystems.

The main commercial waterways (Class IV and higher), with a total length of 2200 kilometer, account for about 40% of international freight movements in the Netherlands and 20% of domestic freight. The main network is state-owned and operated by Rijkswaterstaat. Smaller waterways are managed by many different provincial authorities or drainage boards.

Main waterways

2.137 km of canals and rivers

5.472 of waterways in open water

84 locks

278 bridges

Main waterways: CEMT 4 and higher

These are the ones for which Rijkswaterstaat is responsible. Beside these there are locks, canals etc. which are the responsibility of other authorities.

Legend
— main waterways

Rijkswaterstaat
MIVSP

Rijkswaterstaat : Central Information Services

The department of Shipping is responsible for IT solutions which are used to provide smooth and save transport by water.

Examples are:
- Nationwide infrastructure for AIS (Automatic Information System)
- Industrial automation for bridges, locks, moorings etc.
- Vessel Traffic Management centres (such as Nijmegen, Dordrecht)
- Radar installations for tracking of barges
- Maritime Telephone systems
- Closed Circuit TV installations
- Radio direction finders
- Administrative information systems

Rijkswaterstaat
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