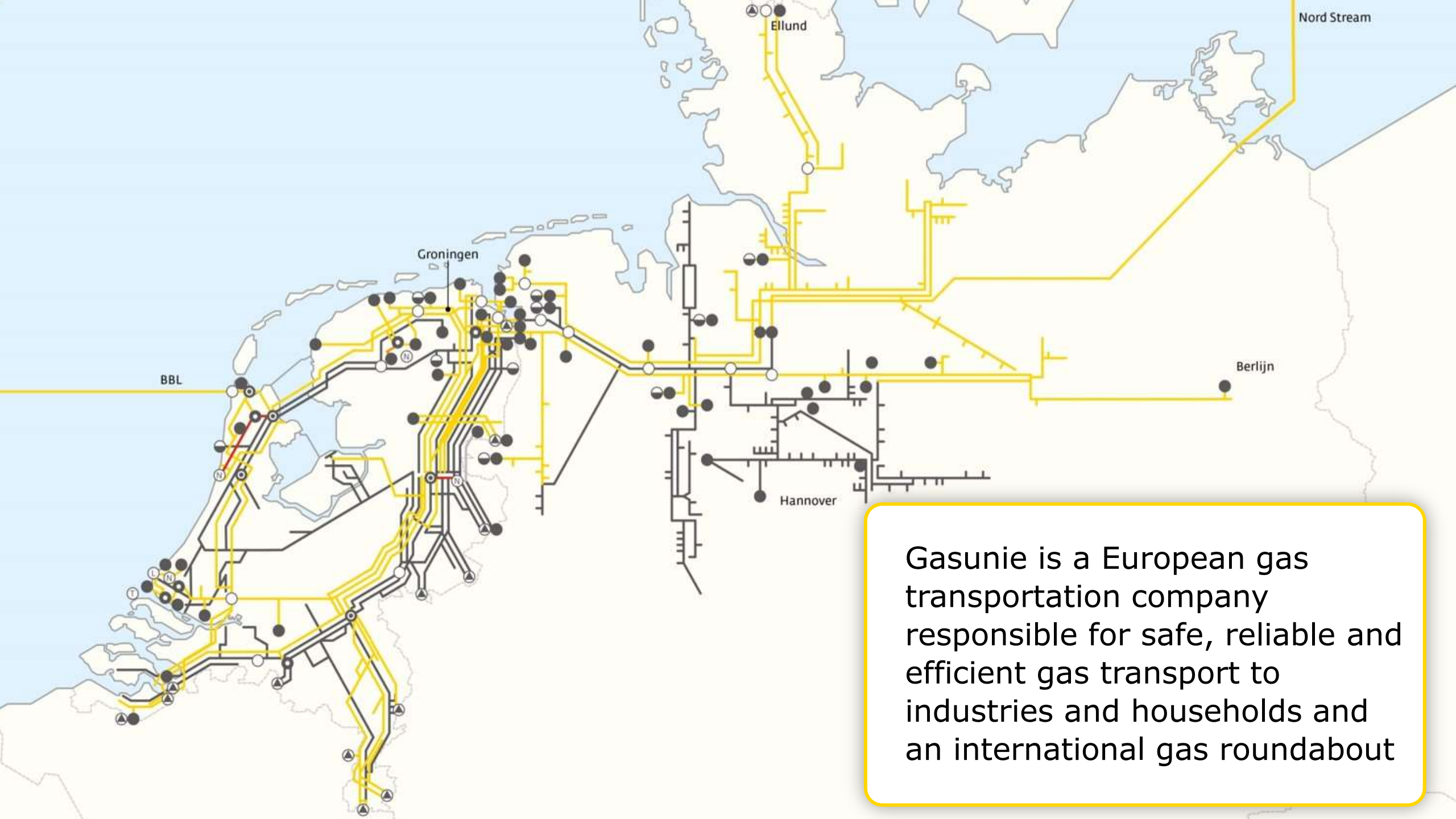


Gasunie Asset Registration in Energy Transition

An integrated pipeline and station registration
for Asset Manager and Project Engineers

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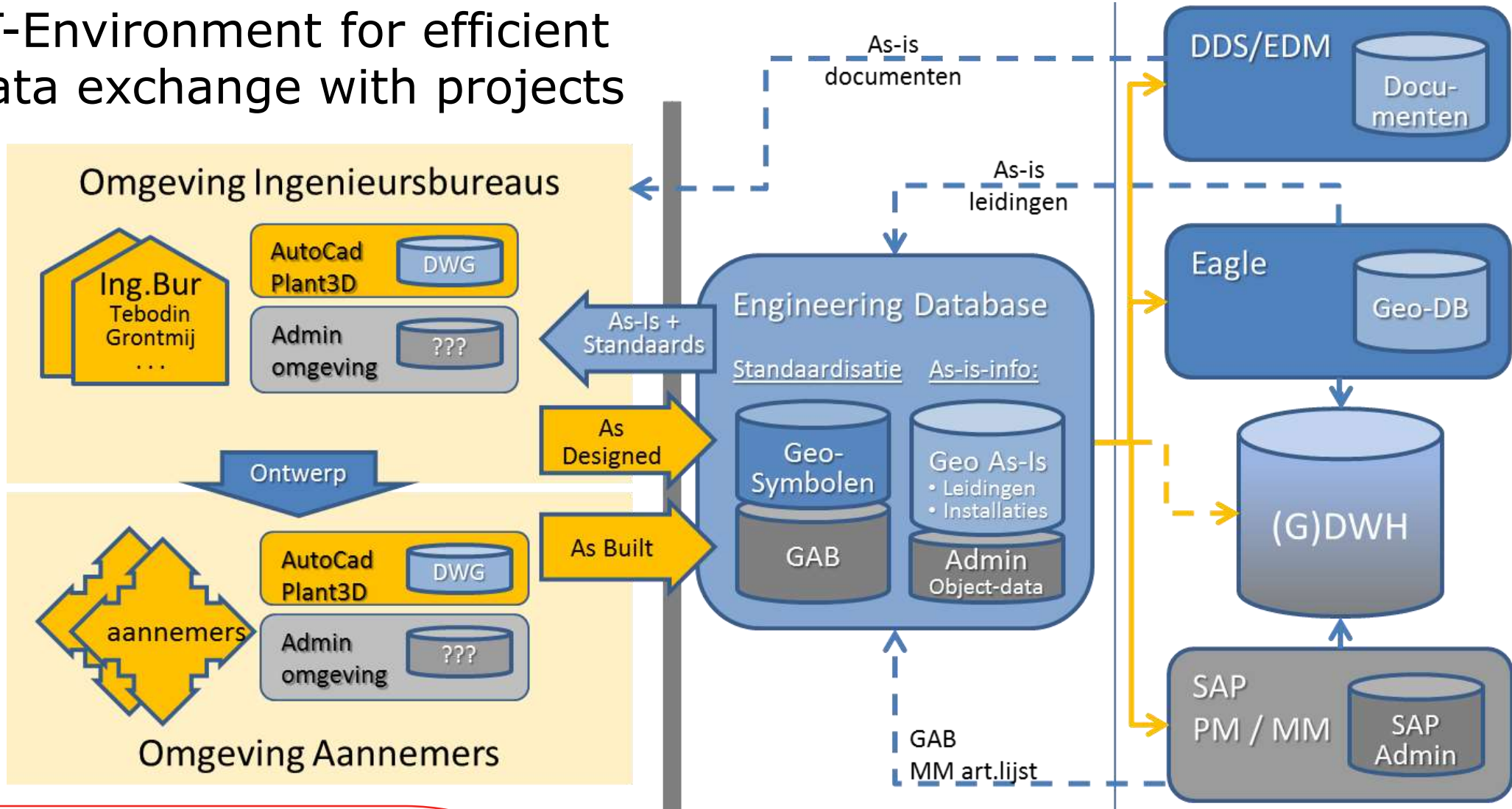
Gasunie is a European gas transportation company responsible for safe, reliable and efficient gas transport to industries and households and an international gas roundabout

Context change: thread or opportunity in enhancing data management?

- More Hydrogen, Less Natural gas:
Technical adjustment stations
requires/enables efficient
BIM/3D-registration
- Decreasing gas transport:
Need for efficient route management
- More open data:
frequent automated risk management
- Realworld models (3D)
makes interpretation & communication
on station data more effective and efficient

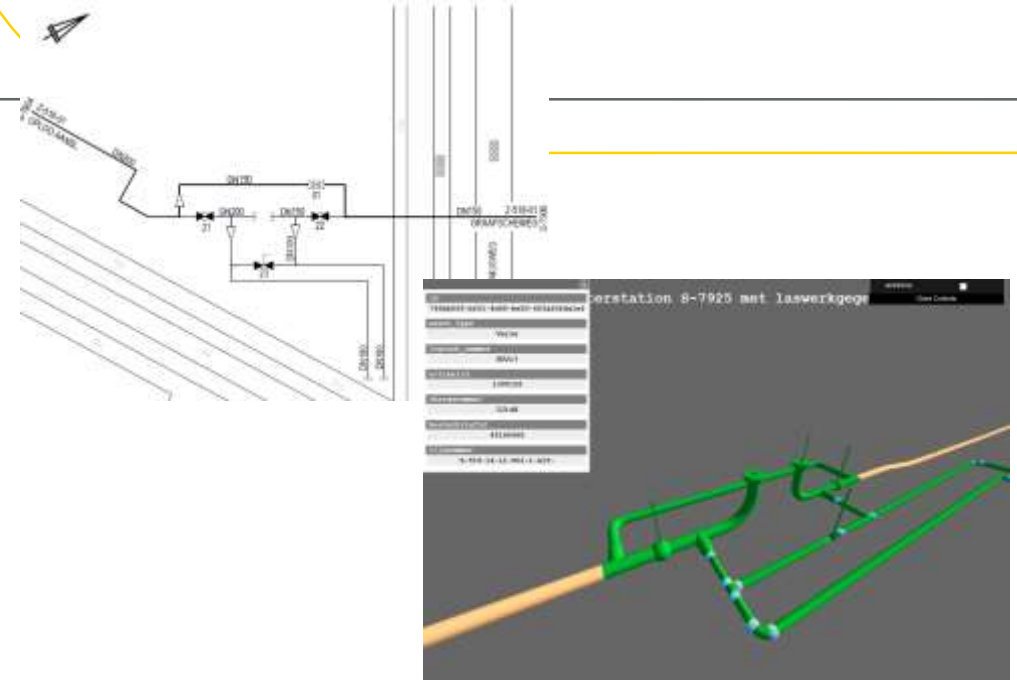


IT-Environment for efficient data exchange with projects



3D asset data management integrated for pipelines and installations

- Enable hybrid registration
schematic 2D / full 3D-models of stations
= gradually 3D data enrichment
- Start with (simple) valve stations
along with replacement projects,
avoiding expensive dataconversions
- Expanding BIM/CAD- and GIS-models
with larger stations and installations
- Integrate 3D-registration
route pipelines & installation equipment



Conclusions, summary



- Now is the time! for Gasunie to implement 3D registration supported by BIM-tools in station projects
- Contribute to BIM-3D standards for pipeline data
- Enrich Asset Data Management with 3D realworld models
- Use these data for more advanced inspection and risk analyses methods