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Know Your Project Inside Out

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Oosterweel verbinding

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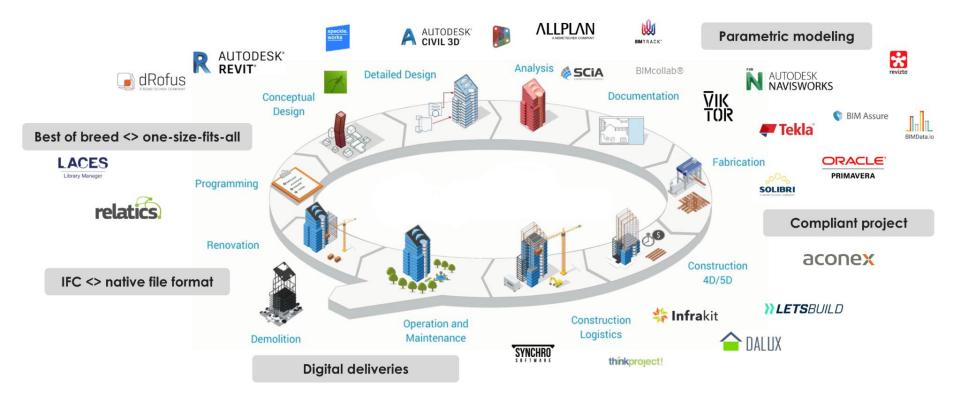
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🚍 Agenda

- What is the **challenge** of a digital landscape in construction projects today?
- How does **Neanex** want to shape the future of information management in construction?
- Use Cases
 - Connecting the world of requirements/contract & design : Goal : Data Driven Digital As Built
 - Quantity Take Off with Neanex Portal on COTU
 - Digital Process for Design Review with Tennet
 - Material Passport for Heijmans



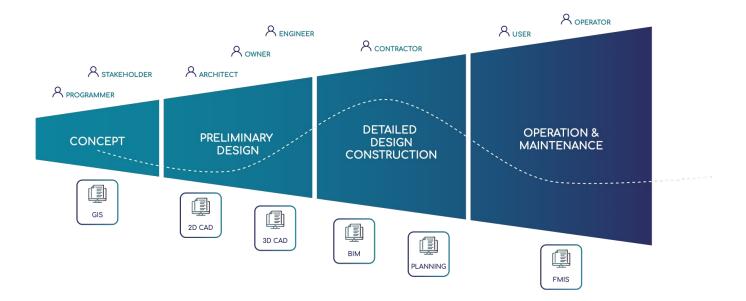
\blacksquare Challenge of Digitalisation





■ Situation | an asset's life cycle

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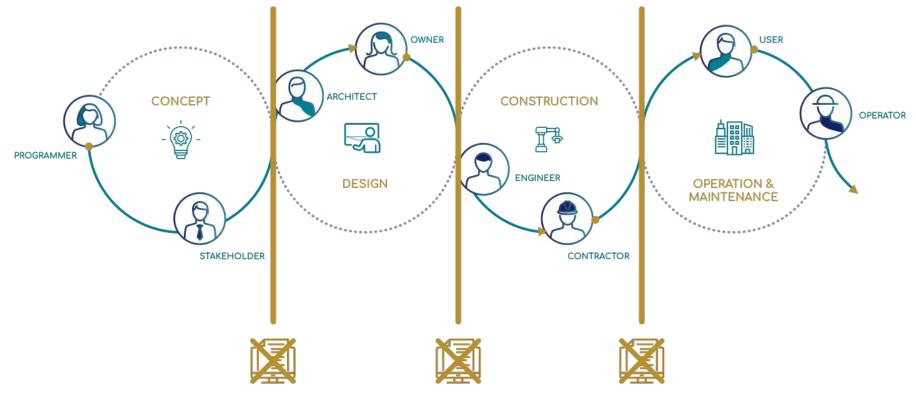


Different companies need to share information

Different information needs by different disciplines in different stages

Different software is used by different companies

■ Problem | Information is scattered in tools, teams and stakeholders





no information hand over

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= Pains



> 90%

of companies claim not to change because of dependency by people or software

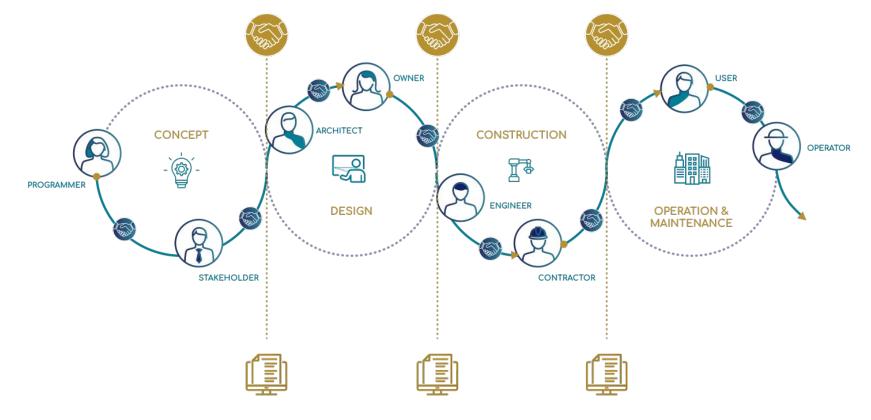
> 50%

of information gets lost in different tools, lifecycles & teams > 30% off staftime = looking for information



Solution



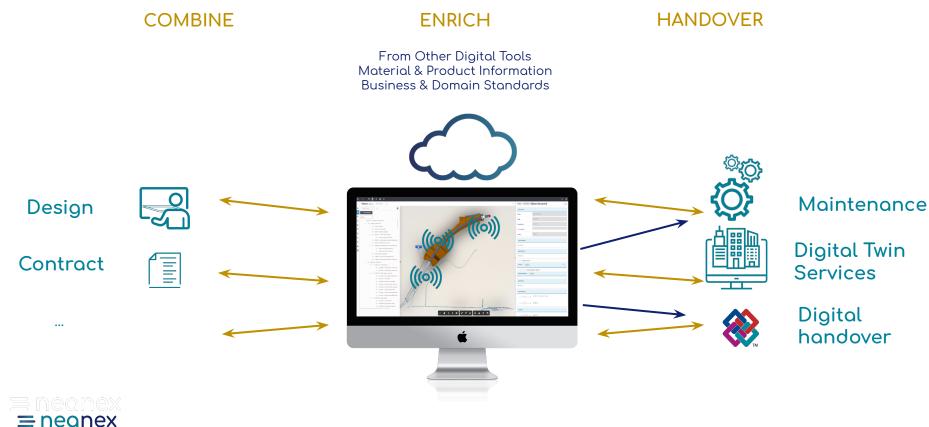


Neanex enables data driven insight throughout the complete asset lifecycle

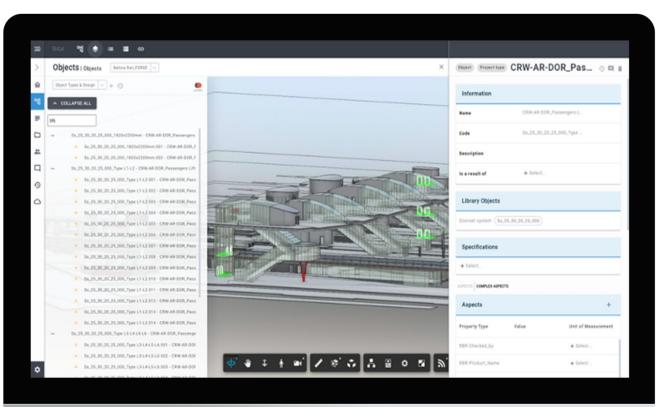


information hand over

➡ Neanex principle : Digital Asset Register



■ Look and Feel | simple and user friendly





= Gains





Use Cases Neanex Portal



Towards a Data Driven As Built Delivery



\blacksquare Step 1: Prepare your contract for design & pre-design

Before

- references in document annexes
- references in PDF (at best)



After

- references are directly accessible
- reference data is usable in Portal

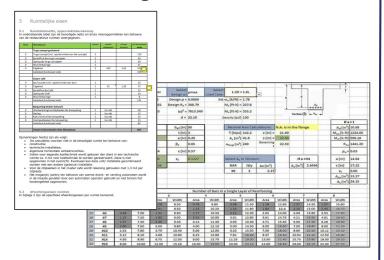
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Step 2 : Make your Contract Visible in (pre) Design process & tools

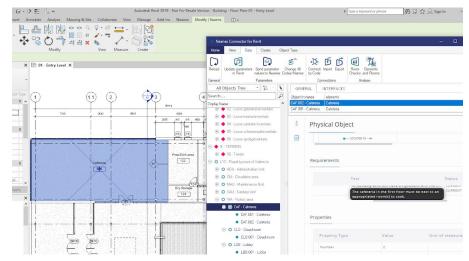
Before

- separate documents
- spreadsheets referring to documents
- untraceable agreements in emails



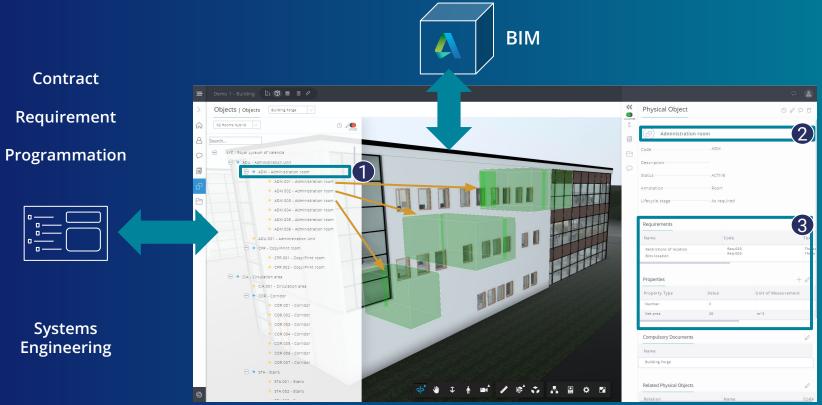
After

- one source of truth
- one coherent BIM
- traceable agreements

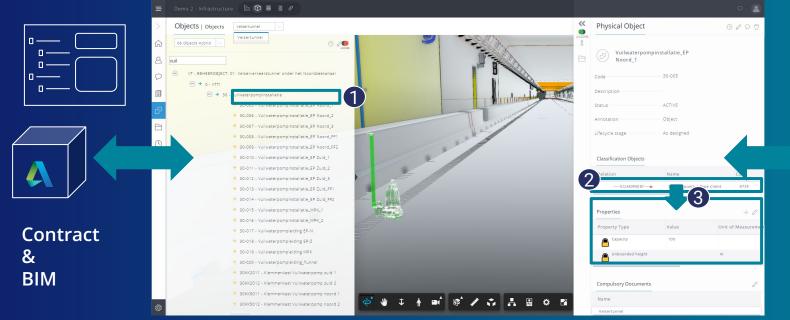




\equiv Ensure contract compliance straight into your process



\equiv Step 3 : Enrich with other data sources



Domain Standards

Product Codes

Internal Classification

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Object Type Library



Benefits of using Neanex Portal

• Ensure contract compliance

- Low tech to high tech possibilities :
 - DIY in the Neanex Portal > easy
 - Import Data from Excel or other
 - Import from Laces / Library Environment
 - Synchronise from requirement management tool
- Directly start with a **consistent** way of handling information
- Low boundary to start
- Easily to be compliant with existing IT set up of a project
- Bring Information from specific process and tools towards a broader user field > scale out your information
- Bring information from specific process and tools in your own common work space (for example CAD) > scale up information

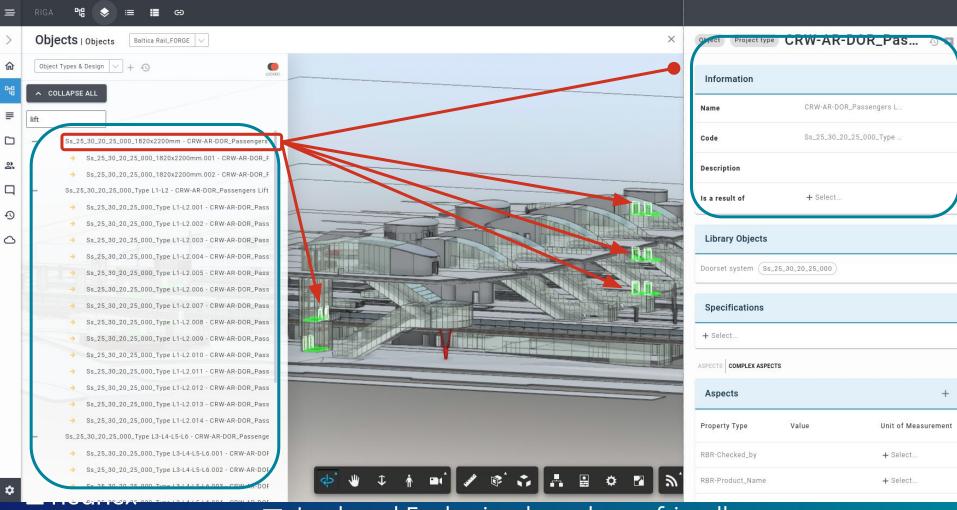
Work in many tools but own one source of truth



@Riga Central Station

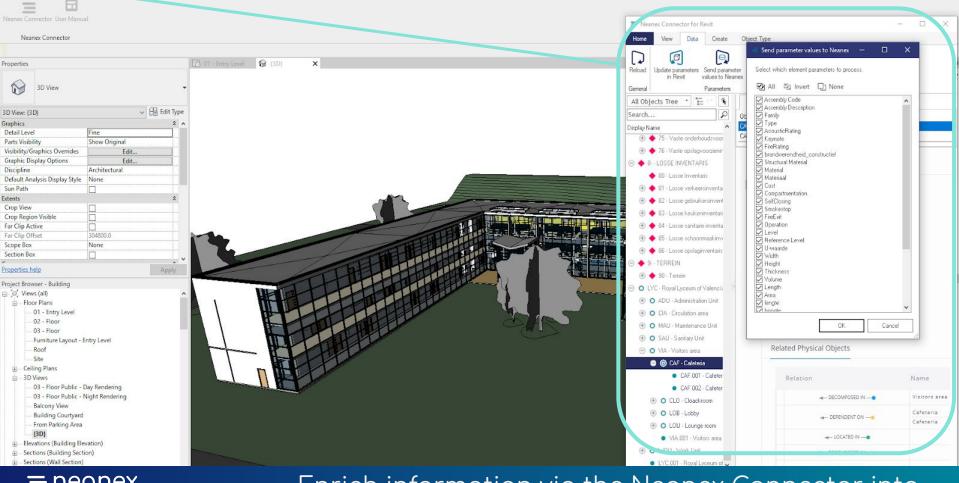






 \equiv Look and Feel - simple and user friendly

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Enrich information via the Neanex Connector into \equiv CAD

Enrich the Building information model in an easy way

- via Neanex CAD connector
- via manual input in the Neanex Portal
- via integration with other tooling like QA/QC
- Deliver as-built as the client demands
- Support BIM team to focus on their job and be able to manage information by a broader number of users and subcontractors
 - traceability
 - responsibility
- Huge amount of data > need for control

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= Goal for Bererix : Riga Central Station Project



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Quantity Take Off @COTU Scheldetunnel

Goal of Quantity Take Off: Project Monitoring

Sustainable Business through better decisions

- Track Progress Forecast vs Progress Actuals
- Decisions based on up to date information
- Decisions based on different types of information : cost, time, activities,..
- Information needs to be objective & standardized
- Enhance your bidding process
- Avoid Rework
- Be Proactive & Lean





■ 6 ways to improve QTO with Neanex Portal

Automated & Generic

Standardization

Domain Standards Open Data Platform Linked Data Vendor Agnostic



Connected Information

2D, 3D, cost, time, activities, so we understand the context and impact better

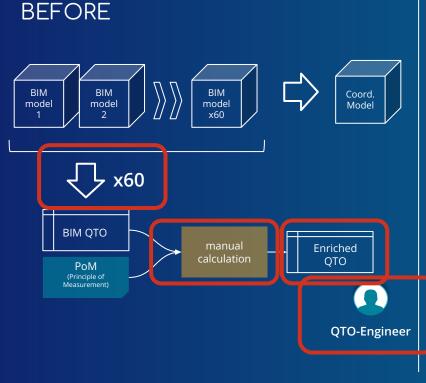
Single Source of Truth

Improve Data Accuracy

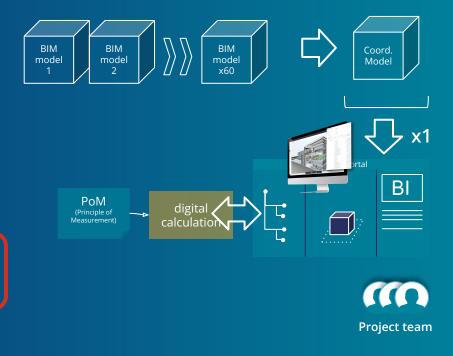
Up to data Garbage in > Garbage Out Data Quality Insurance



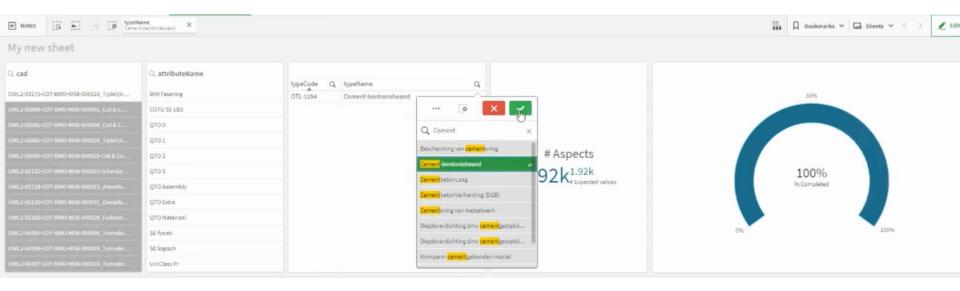
■ Quantity Take off process | Automated & Quality Control



AFTER



➡ Feed BI as control on Quality of BIM models & Data





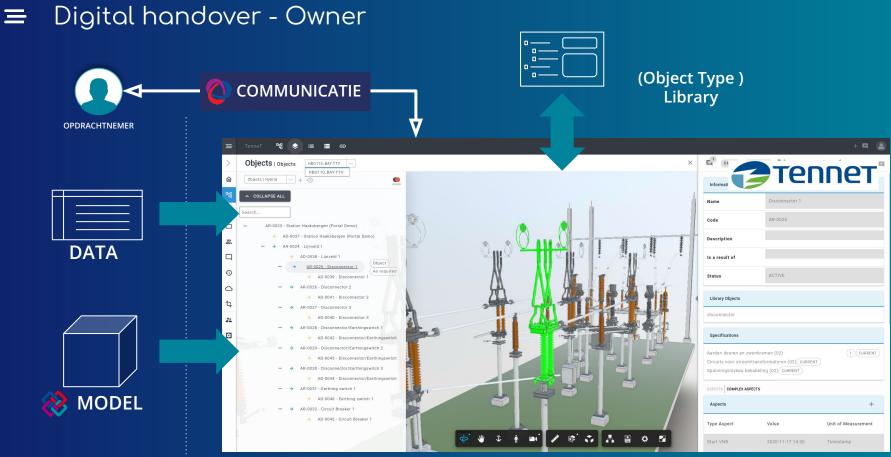
Digital Handover



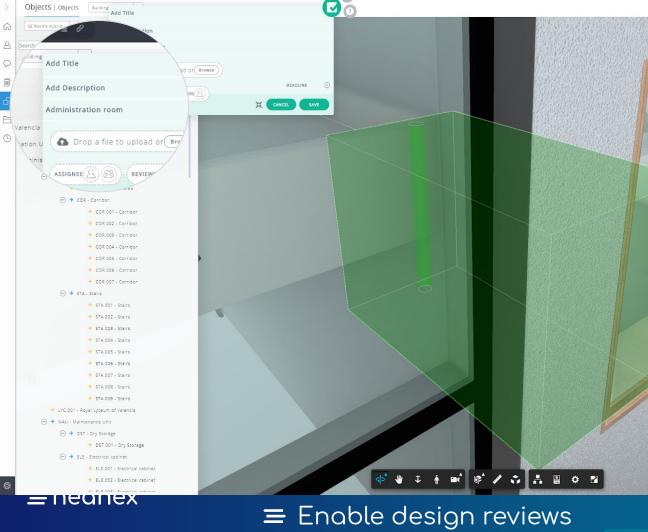
Digital Asset Management to ensure Critical Asset Availability & Safety

- Independency from partners
 - no discussions on tooling
 - no high cost for custom development
 - no issues with different forms of data & data migration costs
- Create a scalable approach for the projects :
 - budget & operational
- Get control over how information is delivered to asset mgt
 - garbage in / garbage out
- Be future proof by going for standards
 - cross domain collaboration
 - new business
- Control extensive one-off costs & developments





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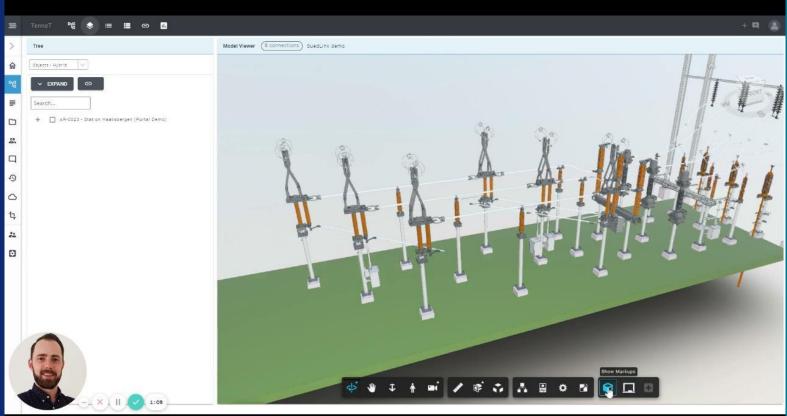


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ACTIVE_CONNECTION

Administration room 126

➡ Communicate issues through BCF



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\equiv Digital handover : easy to prepare as a contractor



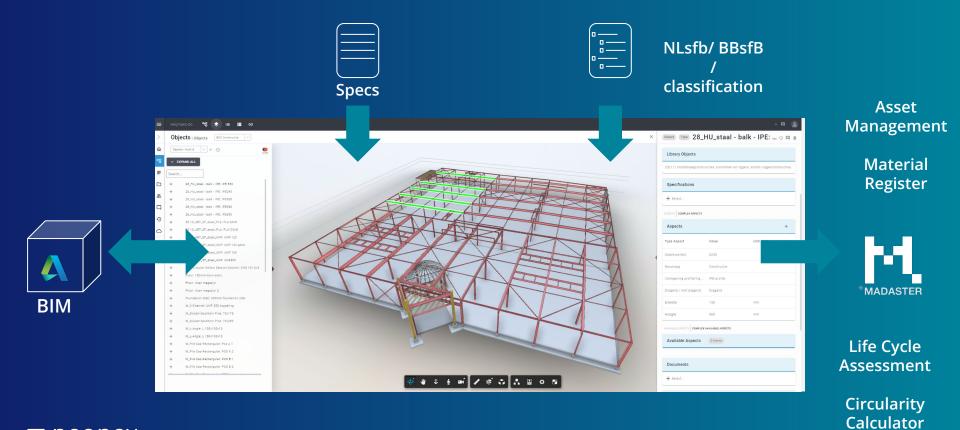
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Material Passport

heymans



\equiv Materials Passport



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Let's talk!



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