



Next-Generation Cover Pools: Al Automation for ESG Compliance

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Founder / CEO



DIGITAL PROFESSIONAL PERSONAL

Made in Germany

ASSET DATA GAPS BLOCK ACCESS TO ESG COMPLIANCE AND COVERED BONDS



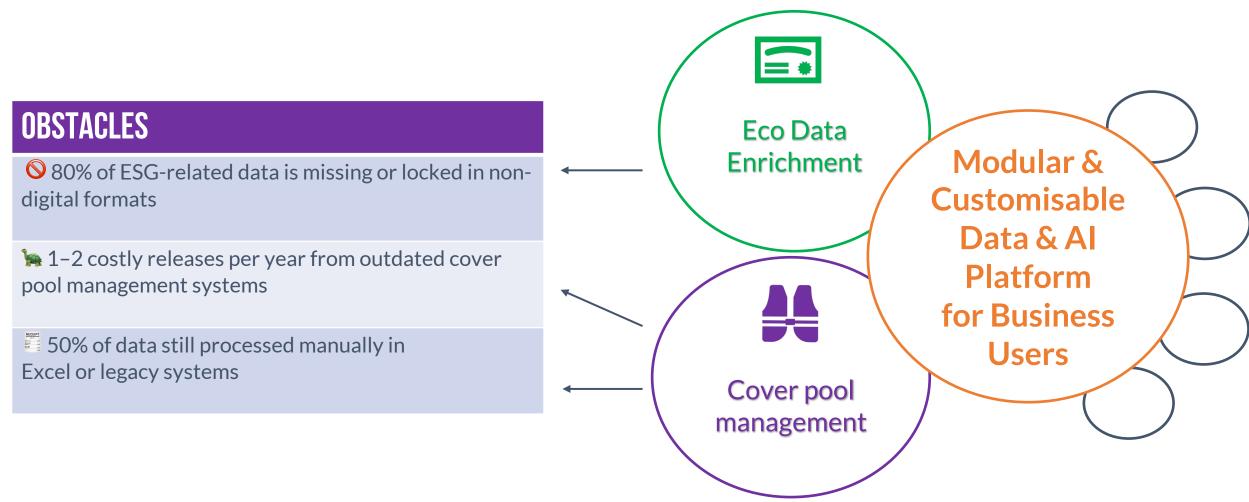
GOALS	OBSTACLES
Comply with EU Taxonomy, CSRD, CRR/CRD regulatory reporting requirements	
Access cheaper funding and attract more investors via covered bonds	№ 1–2 costly releases per year from outdated cover pool management systems
Reduce reporting costs and detect asset risks in real time	50% of data still processed manually in Excel or legacy systems

* Results of the detailed interviews with >25 european banks



NEXT-GENERATION TREASURY ASSET MANAGEMENT USING MODULAR DATA & AI PLATFORM

Achieve ESG compliance, unlock covered bonds and cut costs through automation





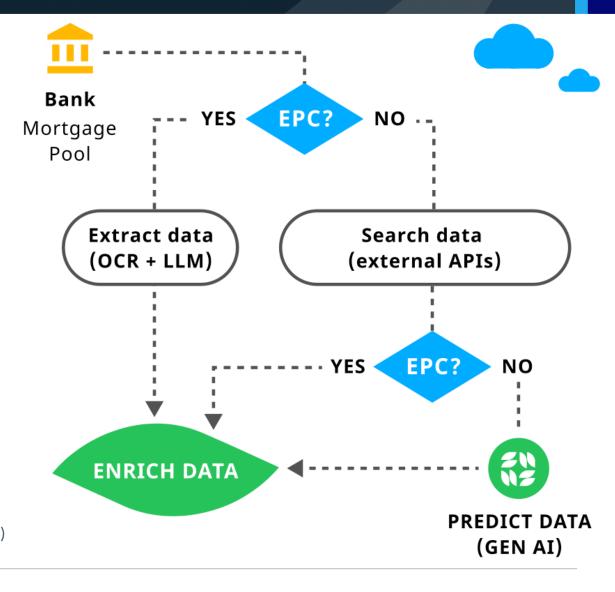
ECO DATA ENRICHMENT



AI-DRIVEN GREEN MORTGAGE DISCOVERY

- 1. Extract (with OCR + LLM*)
- 2. Search (API integration)
- 3. Predict (machine learning neural networks)
- 4. Enrich

* EPC = Energy Performance Certificate
OCR = Optical Character Recognition (to read and convert text from scanned documents)
LLM = Large Language Model (Generative Artificial Intelligence)





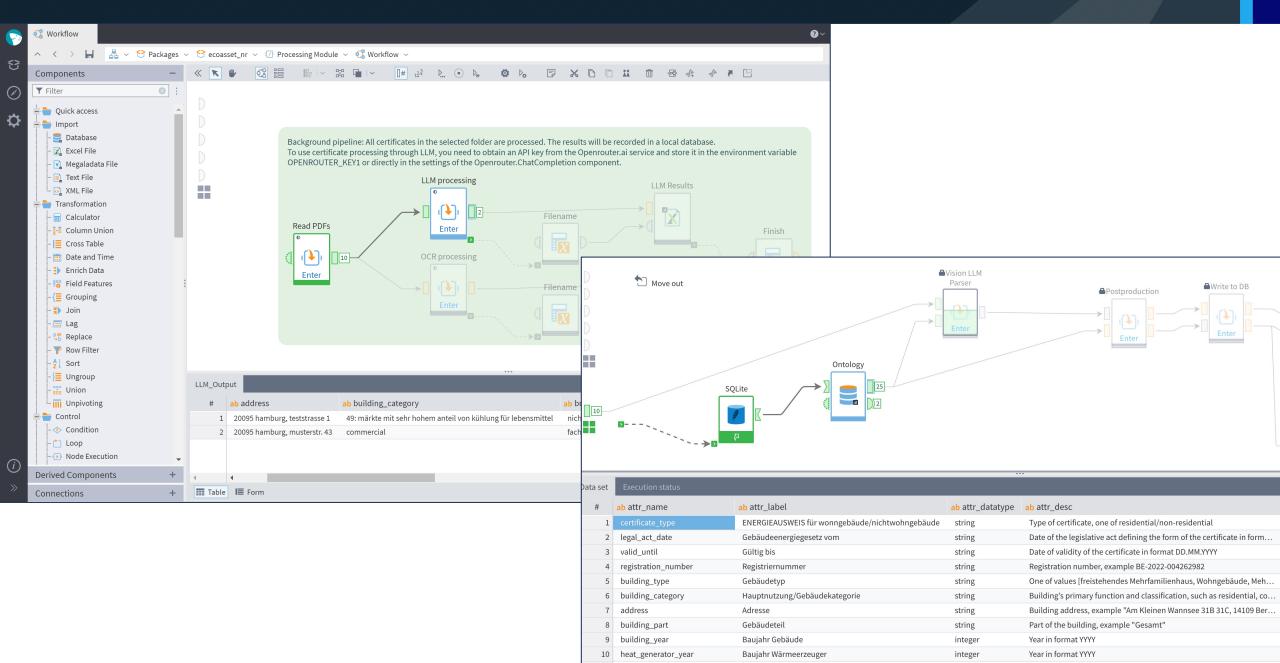
DEMO: ECO DATA ENRICHMENT (EPC → DATA)

ENERGIEAUSWEIS gemäß den §§ 79 ff. Gebäudeenergiegesetz (GEG) vom ¹ Erfasster Energieverbrauch des Gebäudes Registriernummer: HH-2024-005251506 Energieverbrauch Treibhausgasemissionen kg CO₂-Äquivalent /(m²-a) Endenergieverbrauch dieses Gebäudes kWh/(m²-a) 225 >250 kWh/(m²·a) Primärenergieverbrauch dieses Gebäudes Endenergieverbrauch dieses Gebäudes [Pflichtangabe in Immobilienanzeigen] 64,3 kWh/(m²·a) Verbrauchserfassung - Heizung und Warmwasser Zeitraum Primär-Energie-Anteil Anteil Klima-Energieträger² energieverbrauch Varmwasser Heizung faktor faktor-[kWh] [kWh] [kWh] 01.01.2021 31.12.2023 Fernwärme 0,33 123305 42336 80969 1,16

□ weitere Einträge in Anlage

EN DE		
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18	ab registration_number	hh-2024-005251506
19	ab valid_until	04.08.2034

DEMO: ECO DATA ENRICHMENT (LLM WORKFLOW + ONTOLOGY)

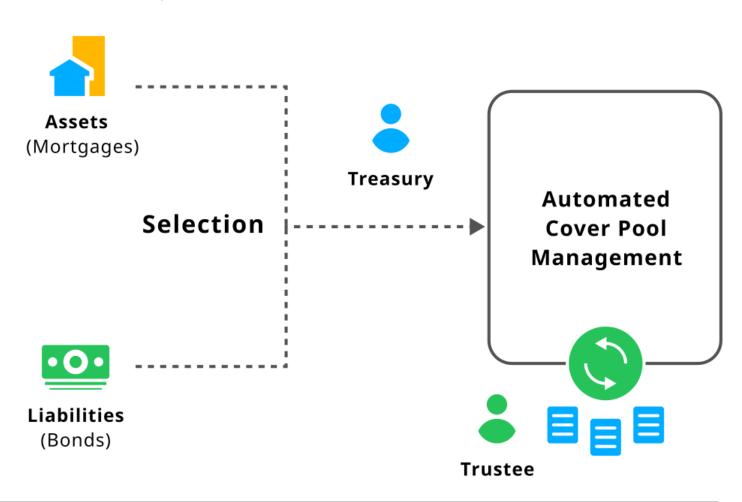


COVER POOL MANAGEMENT



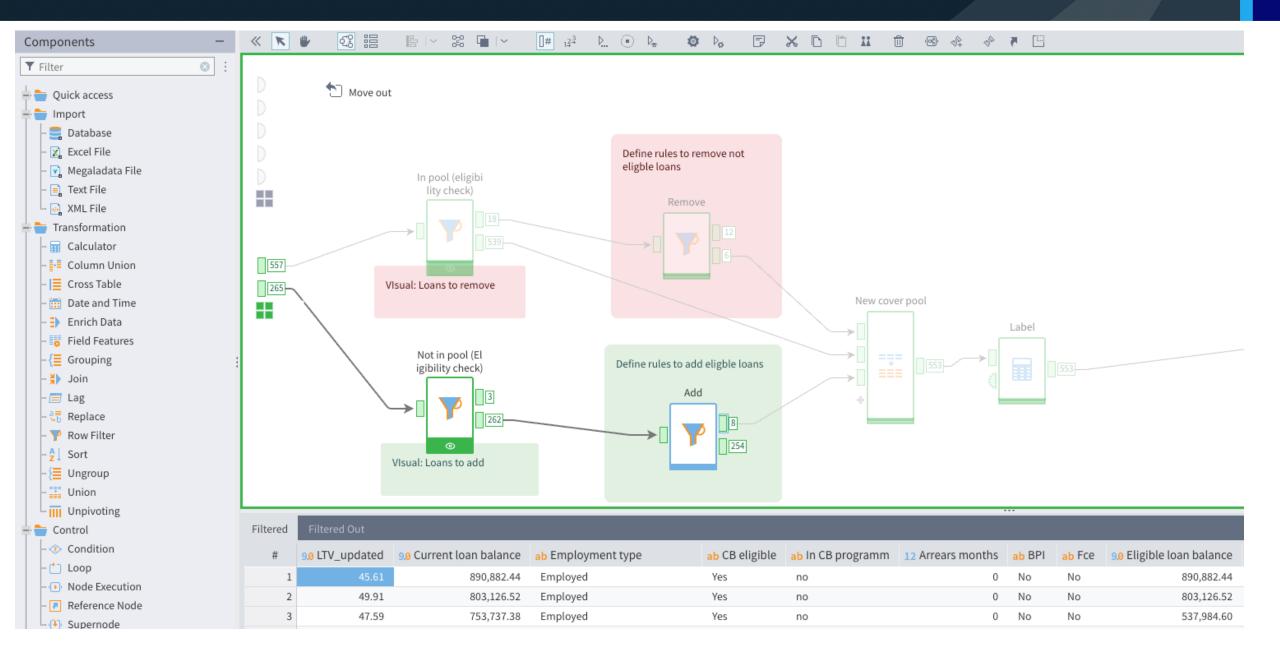
VISUAL POOL MANAGEMENT, OPTIMISATION & REPORTING

- 1. Daily pool management & optimisation
- 2. Trustee services
- 3. Pre-defined and ad-hoc reporting for rating agencies and regulators (Moody's, HTT, §28 PfandBG)

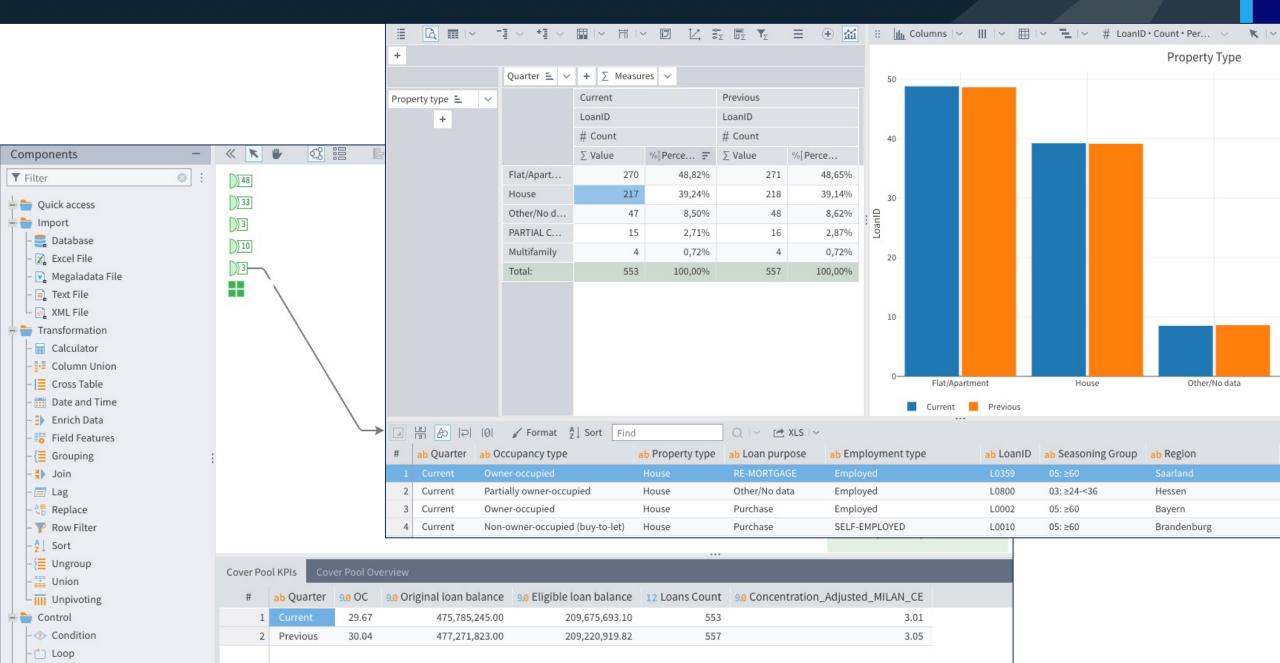




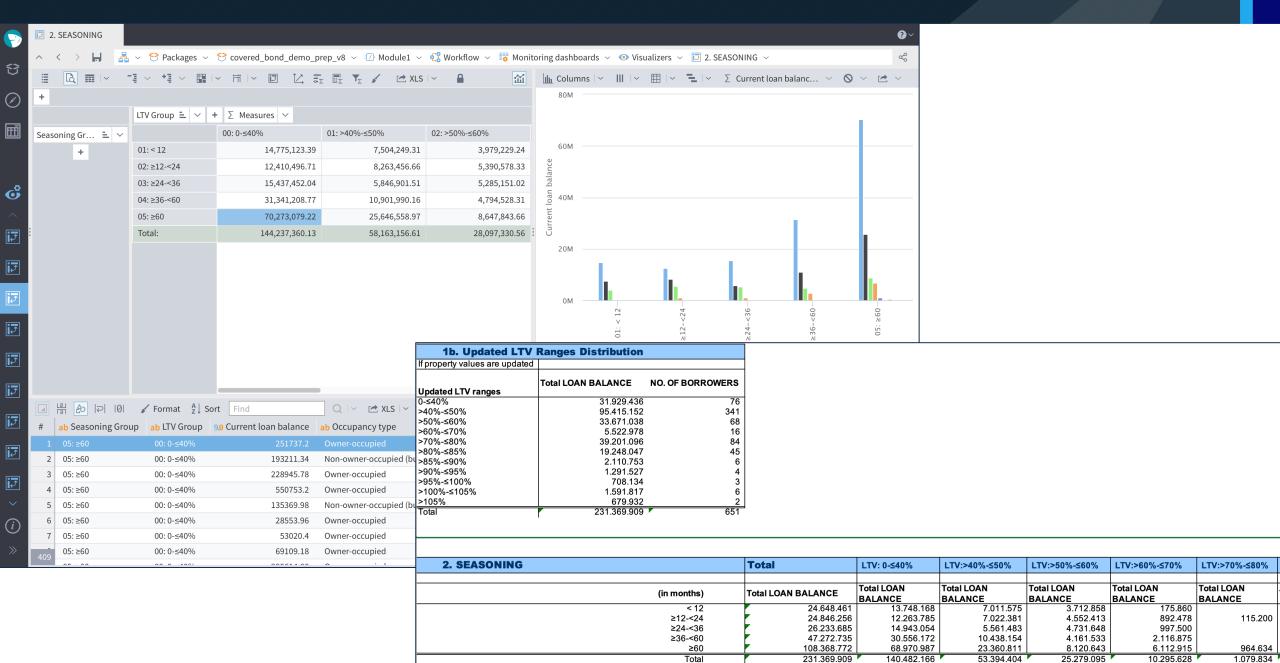
DEMO: COVER POOL MANAGEMENT (ADD/REMOVE LOANS WORKFLOW)



DEMO: COVER POOL MANAGEMENT (KPIS AND COMPARISON)



<u>DEMO: COVER POOL MANAGEMENT (AUTOMATED MOODY'S COVERED BOND TEMPLATE GENERATION)</u>



Achieve your ESG goals using AI innovation

Modular &
Customisable
Data & Al
Platform
for Business
Users

+40%

Green Asset ratio (EU taxonomy-aligned)

-50%

Funding cost reduction (via issued CB)

100%

Digitalised mortgage portfolio

-50%

Cost of cover pool management



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In collaboration with













EMF - ECBC ACADEMY, TRAINING & MARKET UPDATE

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RATINGS







