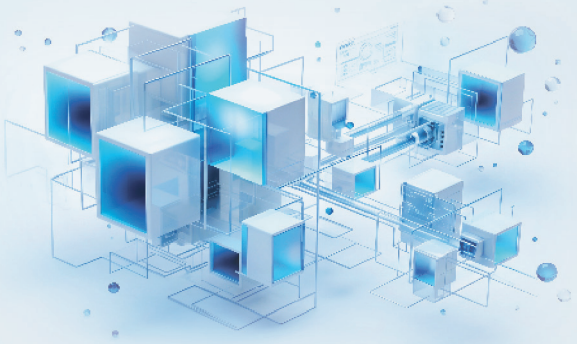
CASE STUDY

Consolidating 100+ Reports from Legacy Systems into One Automated, Multi-Country Data Warehouse

UD4D
Use data for decisions



CLIENT

A leading pan-European insurance group, delivering actuarial, finance, operations, and sales & marketing reporting across multiple Central European markets.

THE CHALLENGE

The client needed to replace an obsolete, unsupported DWH system with a single standardized platform, without disrupting regulatory, actuarial, or commission reporting.

- Report requests took an average of 1.5 years to fulfill, and outputs were not trusted due to data quality issues
- The obsolete DWH system on unsupported software had fragmented into four disconnected reporting stacks serving Actuaries, Finance, Operations, and Sales & Marketing, covering 100+ reports, with no shared architecture or documentation
- Uncontrolled environment changes caused dozens of SLA-breaching incidents, while uncontrolled access created data leakage and account-compromise risk
- The replacement had to be highly mutualized and cost-effective enough to roll out to up to 6 Central European countries within a limited budget and timeframe

SOLUTION

UD4D supported the technical development of a Model-Driven Architecture, replacing manual development with WhereScape automation across the full warehouse stack.

- Assembled a cross-functional senior architecture team covering data, DWH, technical, process, security, model-driven, and automation roles
- Built a layered architecture (Landing Zone, ODS, standardized Core, Data Marts) governed by data- and information-support layers
- Used WhereScape 3D to model and generate Landing Zone and ODS objects, history tables, surrogate keys, and documentation directly from metadata instead of hand-coding
- Fed the same 3D metadata into WhereScape RED to auto-generate data-quality procedures
- Templated the Core structures so the same standardized model could be replicated per market
- Rolled the platform out country by country (Slovakia, Bulgaria, Austria, Hungary, Romania, Czech Republic), each with its own ODS, Core, and Data Mart databases generated from the same 3D model and orchestrated with the WhereScape scheduler

BUSINESS IMPACT

100+ **reports consolidated:** Disconnected legacy systems serving Actuaries, Finance, Operations, and Sales & Marketing were unified onto one standardized, governed platform.

1 **platform replaced the legacy systems:** A single model-driven data warehouse now serves all reporting domains.

6 **build steps automated end-to-end:** DB objects, DQ checks, history tables, surrogate keys, procedure layout, and documentation are generated straight from the model, with minimal manual coding.

6 **countries, one model:** The architecture was designed to scale across 6 Central European markets from a single reusable model.

TECHNOLOGY STACK WhereScape 3D & RED | SQL Server

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