

### **DataOps platform** for cloud data warehouses

## designing deploying running

https://www.solita.fi/agiledataengine/



### Why the Agile Data Engine was built?

#### To solve major problems in data platform development:

Creating cloud based data capability quickly and in a managed way Enabling true agility in data platform

development

2.



Addressing the requirements of operational analytics



Unlocking person and vendor lockins



#### From Data Warehousing to cloud Data Engineering



## When building a modern cloud based data capability, both DW and SW approaches are needed









Deployment Management



Infrastructure-as-a-code

Data model and transformations (loads) design combined in the same web based user interface.

**Data Vault 2.0 automation** for generating data vault entity loads and accelerating data modeling.

Graphical data lineage view with data warehouse entities and loads, with metadata based search.

**Continuous Deployment pipeline** with automatic schema changes and workflow/load generation, based on load dependencies and scheduling metadata.

Workflow orchestration with timely and dynamic load processing and concurrency control + API services for process logging and control.

Integrated and customizable data quality smoke tests as part of the data workflows, used to control the execution of workflows or to flag warnings.



## Shared Design, Multi-Environment Architecture







~50%

SMALLER DEVELOPMENT AND OPERATION COSTS ~90%

LESS

ERRORS

**4**X

FASTER DELIVERY MORE FREQUENT PUBLISHING

100X

# CONTACT

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