CAD Translation in Data Exchange

JT Workflow Forum, November 2016

SSC-Services GmbH

SSC-Services GmbH
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Company history

1998
Formation of the company

1999
Outsourcing-Partner for CAD-data exchange at multiple Daimler locations

2001
SWAN in Japan at Mitsubishi Motors

2002
Outsourcing-Partner for the operation of DaimlerChrysler's EngineeringPortal

2010
SWAN new development

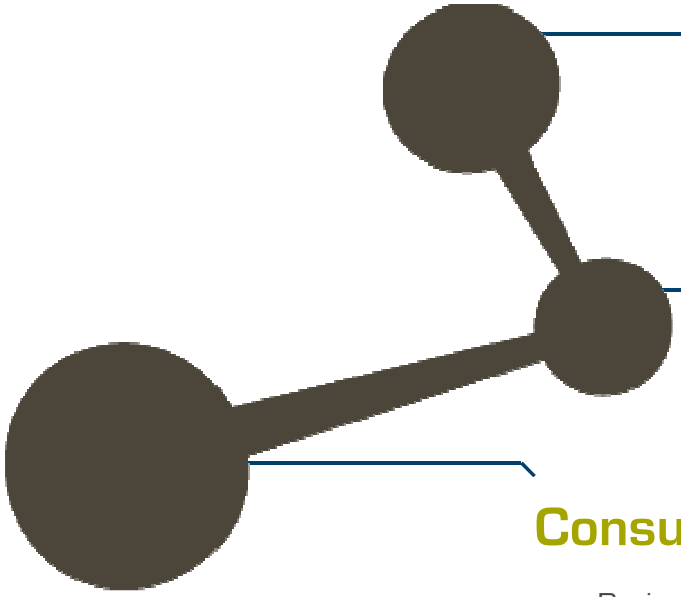
2012
Winner of ECM Award 2012 Germany, category „Innovative project realization"

2014
Relocation to new headquarters in Böblingen

2014
Operator for SUPSPACE at Daimler AG (Outsourcing of subcontractors)

2015
ISO 27001 certification

03 Business Units



Service

- Individual Software Operations
- Business integration
- Troubleshooting
- User support

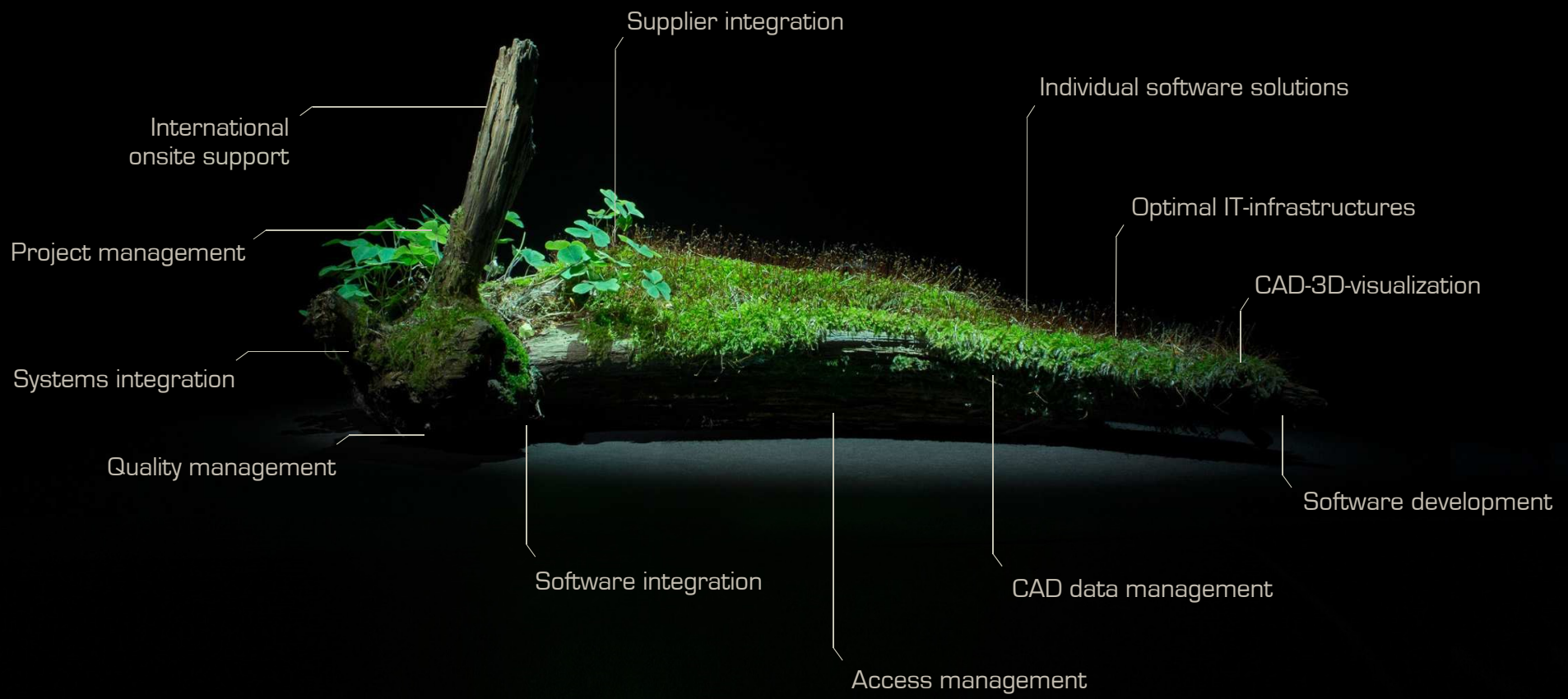
Development

- Web-/Portal-Solutions
- Data exchange systems
- Custom-tailored software

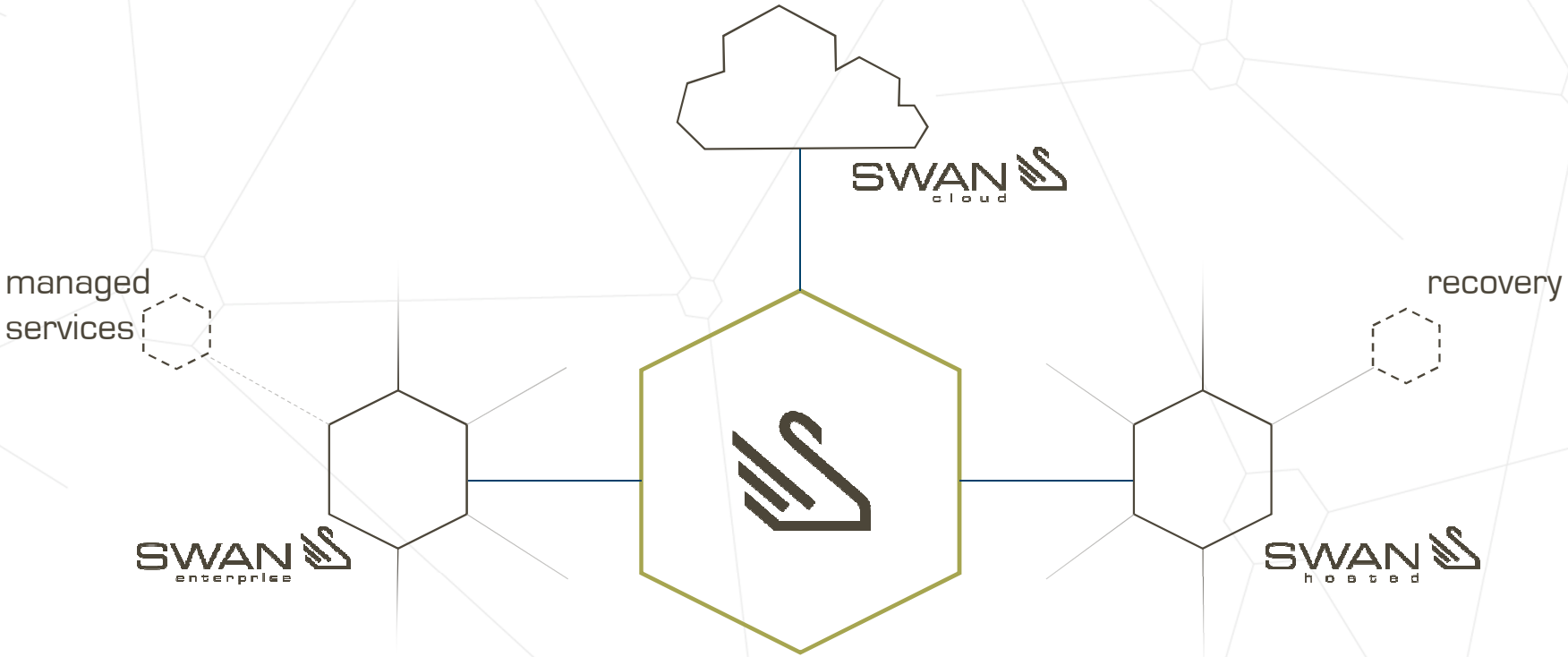
Consulting

- Project organization and coordination
- Quality and Test management
- Process optimization/enhancement
- Partner integration

04 Expertise



05 Data exchange with SWAN Variants Overview



06 CAD Translation in Data Exchange

Service

STEP DXF CATIA CPO

Data exchange

SWANcloud

History

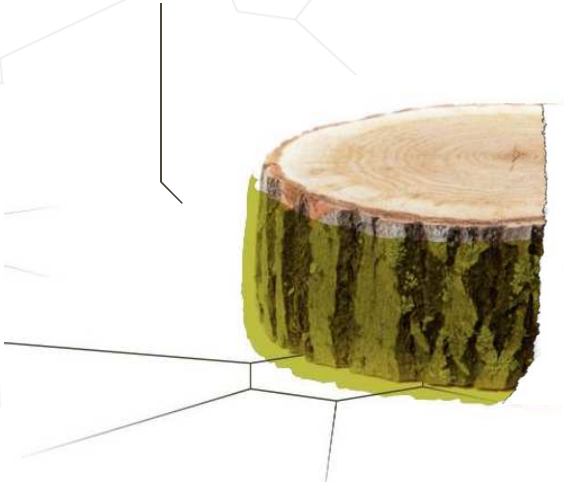
CREO NX Tool Translator

Partnership JT

CAD Translator

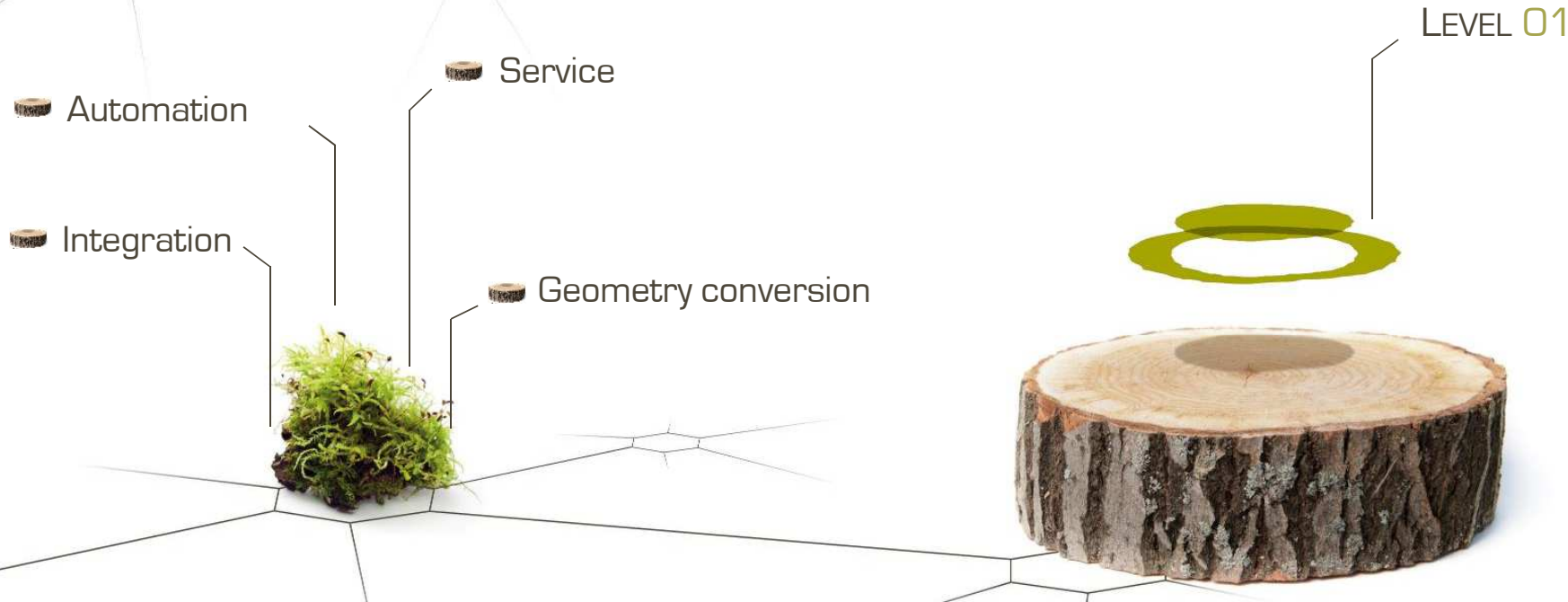
07 CAD Translation & Data Exchange: Meeting the challenges

- Shifting of engineering tasks
- Increased number of co-ops and joint ventures
- In-house system changes



- Standardization
- Automation & Service
- Safety requirements for Data Exchange
- IP protection
- CPO

LEVEL 01 | On Demand Translation



LEVEL 02 | Translation & Validation

- Translator adjustment
- Quality Check
- Geo-comparison
- Start part
- Meta Data

LEVEL 02

LEVEL 03 | Full Service

08 Fusion

Translation

- Flexibility
- Transparent reporting
- Native CAD-formats
- Neutral formats

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Translation

- Flexibility
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- Native CAD-formats
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Data exchange

- Reliability
- Data integrity
- Data security
- Process stability/ reliability/ safety
- Traceability

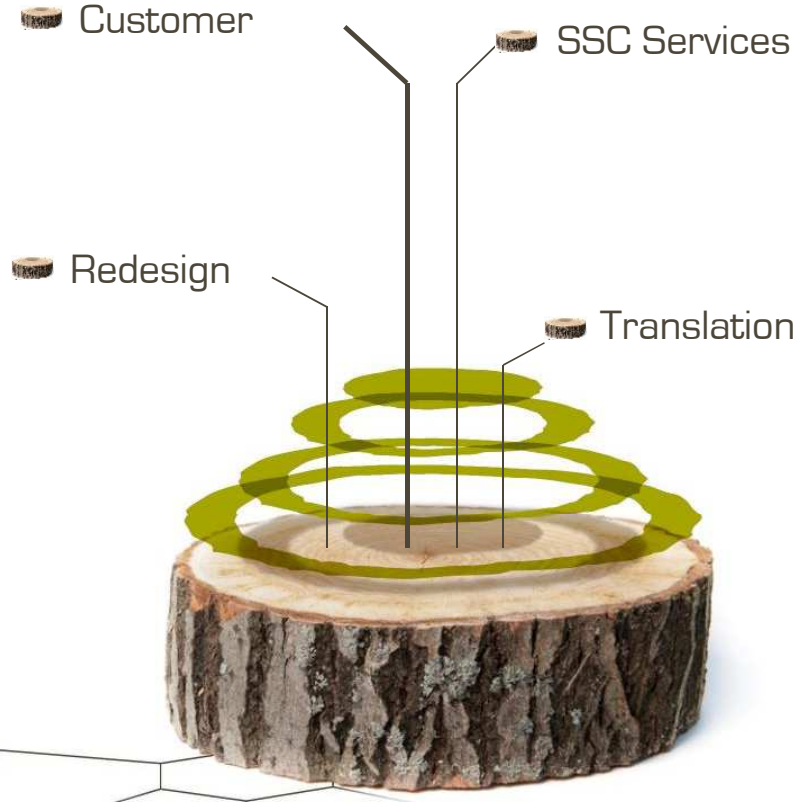
09 Quality enhancement in the process cycle

- Process safety
- Standardization
- Quality enhancement

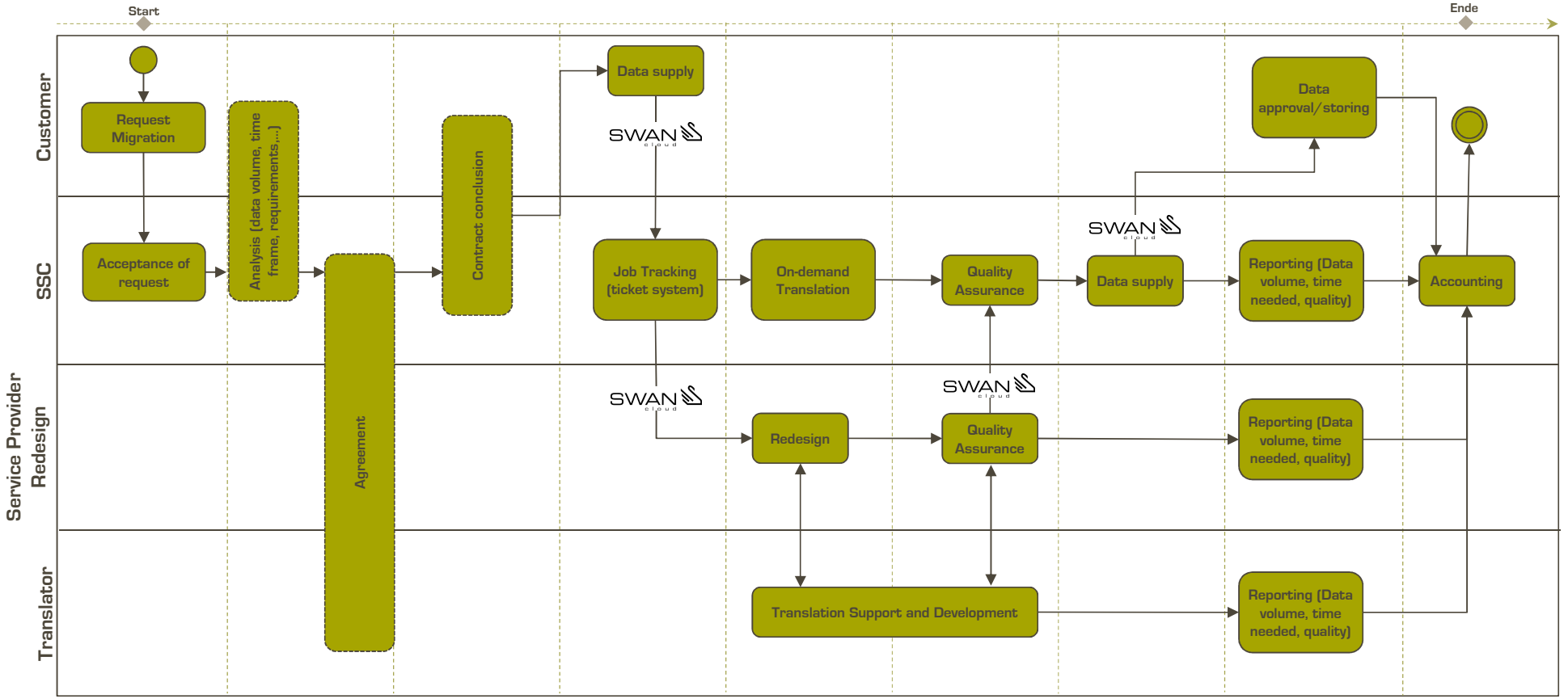
Under one roof

10 LEVEL 04 | Vision: Migration factory

- Lifting the service to another level
  - Data analysis
  - On demand translation
  - Redesign
  - Quality assurance
  - Translation Support & Development



10 Process Migration Factory



Data exchange is not trivial.

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