

S4 Data Success Unveiled:

Real Outcomes from the
CRH/OldCastle Infrastructure Collaboration

truData



60+

years of collective
SAP experience
across Leadership
team

250+

Technical Engineers
Globally

30-50

% cost savings over
traditional SIs with
unwavering commitment
to White-Glove Delivery

2018 

Providing SAP
Professional Services

Our Clients



truData – Uniquely Differentiated



-
- Systems Integration
 - Data Conversion

&



Cloud Data Platforms

- Data Warehousing
- BI (Business Intelligence)
- AI (Artificial Intelligence)

Significant investment in **Nearshore LATAM** resources

- ✓ Geographic proximity
- ✓ Access to a skilled talent pool
- ✓ Time-zone alignment
- ✓ Strong culture fit



OLDCASTLE INFRASTRUCTURE

North America's largest
building materials company

- An industry leader in engineered building solutions. Oldcastle Infrastructure delivers precast, plastic, and composite solutions that connect communities and improve how the world works.
- Deliver a range of solutions for customers to better connect communities across four main areas; Communications, Water, Energy and Transportation
- CRH is a 20-year member of the global 500.



Data
Engineering



Analytics



Program
Management



Delivery
Leadership



Project

OldCastle is undergoing a corporate-wide, multi-year implementation of SAP S4 and Salesforce CPQ:

- ▶ Scope is replacement of legacy existing modules and functionality
- ▶ Phased release by geographic location



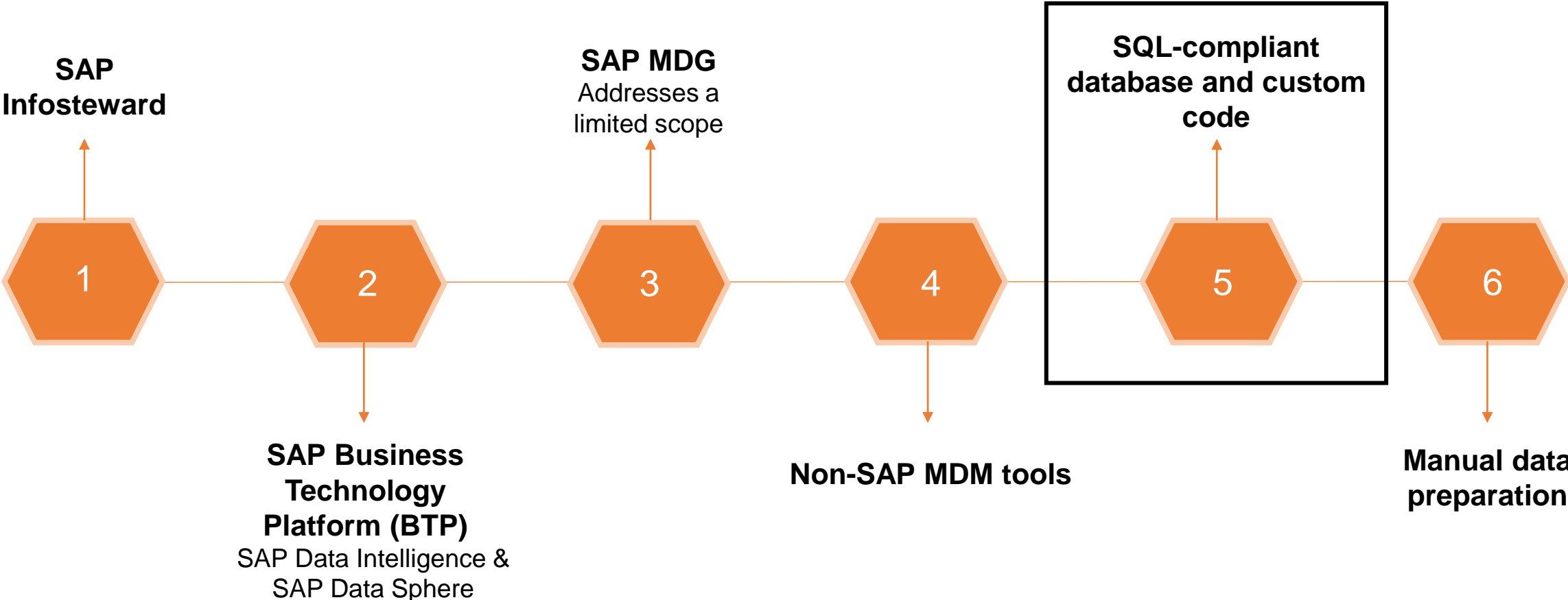
Challenge

Many corporate mergers & acquisitions led to:

- ▶ Multiple "legacy" source systems and instances
- ▶ Disparate data
- ▶ No single source of truth



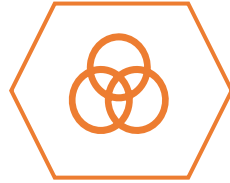
Solution Analysis



Realized Benefits from SQL-compliant database & custom code



Data preparation work for S4 can begin far in advance of S4 project/migration



Starting early provided a clean and accurate data foundation

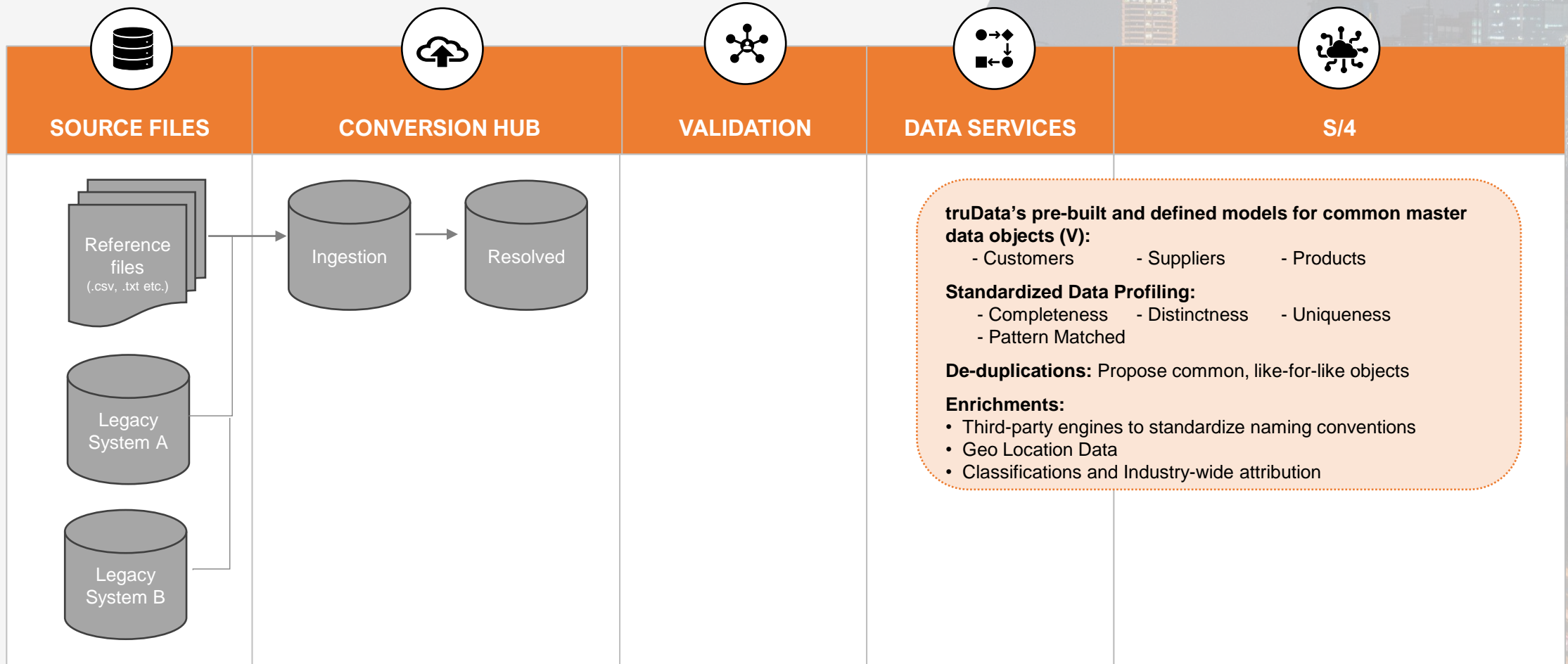


Flexible development environment for custom business rule data validations and assessments

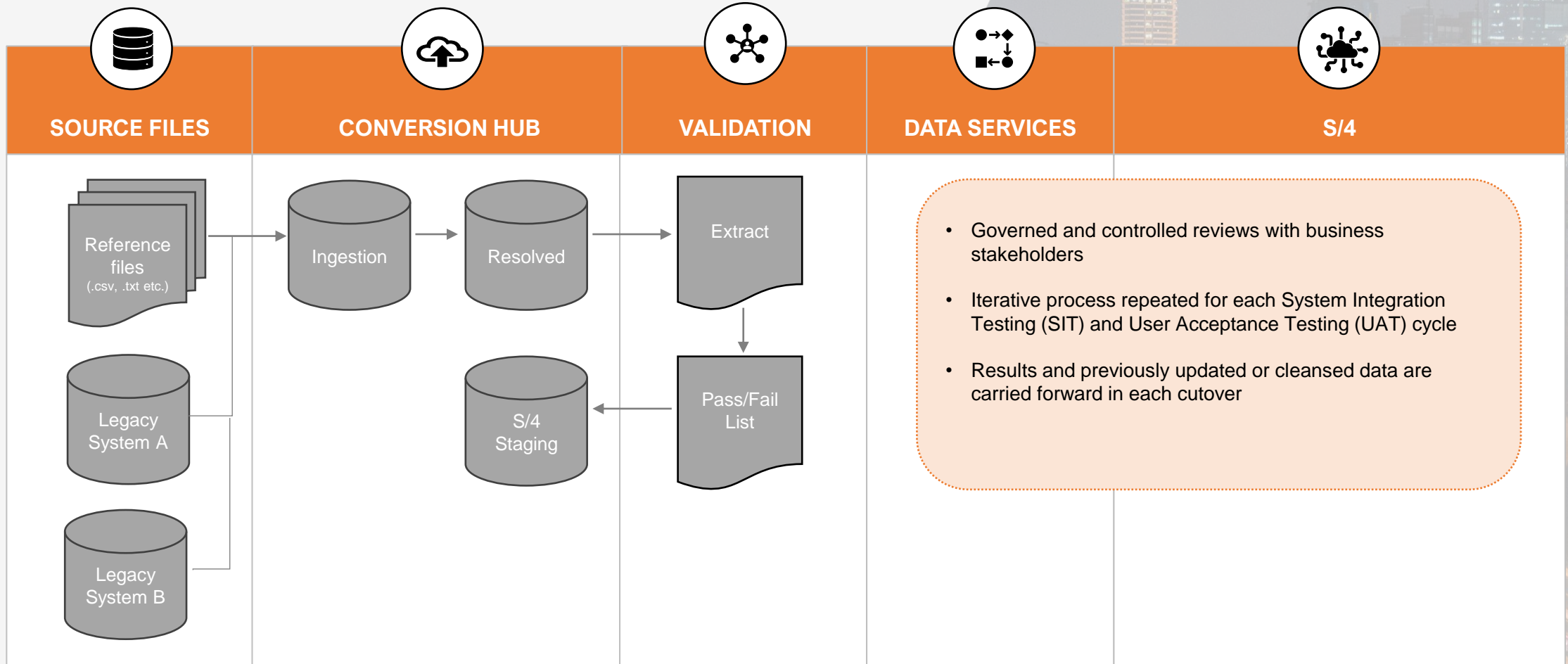


Scalable environment able to handle large volumes of transactions and master data

Assessment, Ingestion, and Cleansing



Business Review and Validation



Options for Handling Resolved Data



PROs



CONS

Update Source System

- Business Value in legacy environment
- Maintenance tools and traceability 'baked in'

- Short shelf-life, since the system's being replaced
- Additional change management

Enterprise Data Warehouse "Conversion Hub"

- Cleansed data provides immediate benefit to analytics
- Avoid 'sunk costs' of system updates
- No risk of impacting day-to-day transactions

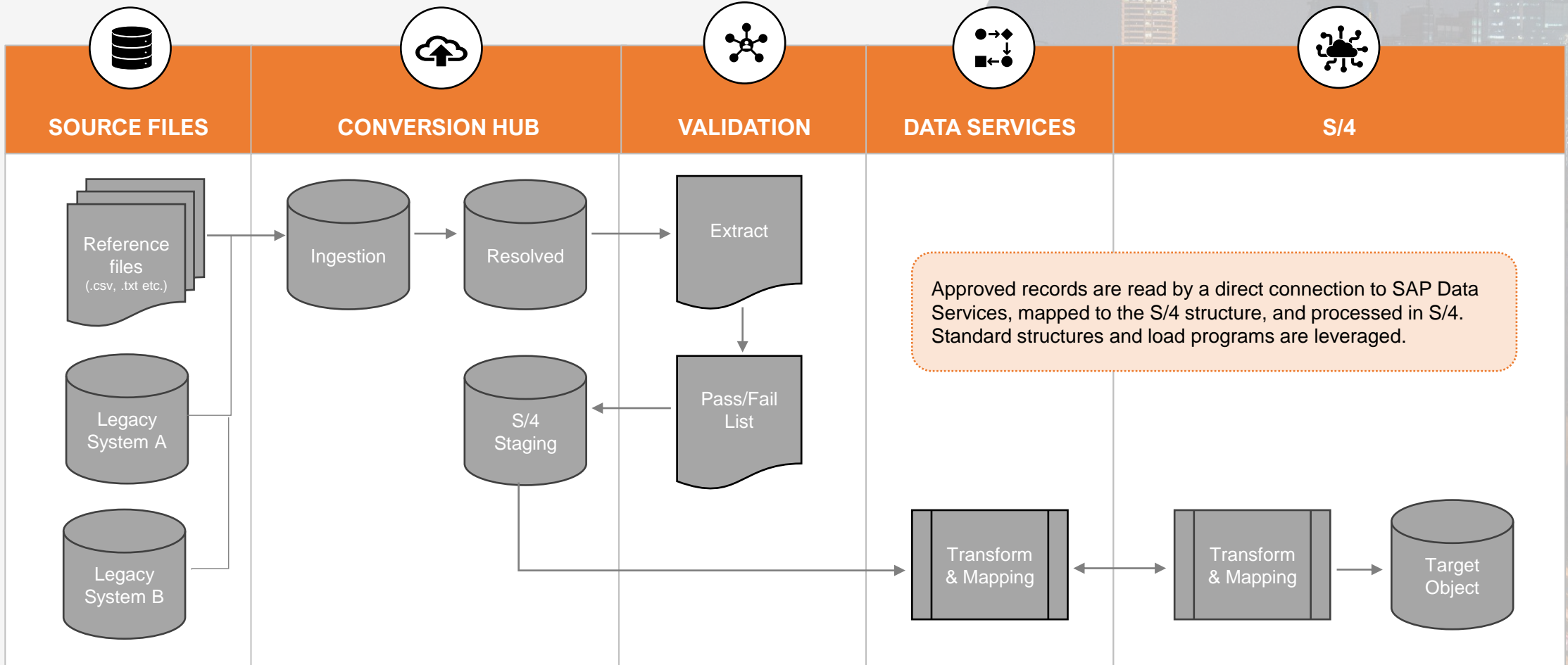
- Business updates to cleansed data done 'offline' in distributed reports

During Transformation and Load to S/4

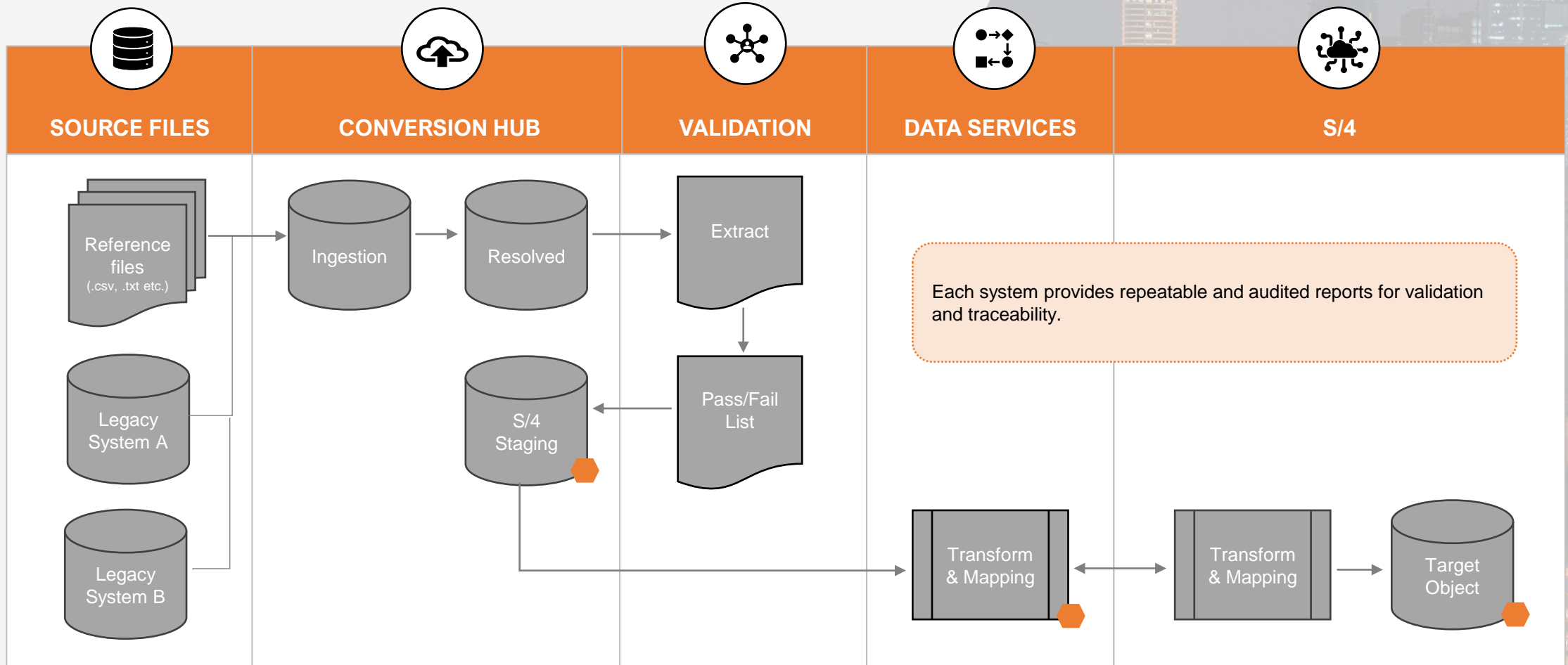
- Some objects or attributes are new to the business and not relevant in the source data
- S/4 reference data is defined during the implementation workshops and unknown during early data cleansing cycles


- Limited validation options prior to S/4 loads
- Additional downstream development requirements
- Performance considerations for very large domains

Curation, Reproducibility, and S/4 Integration



Reporting and Auditability



 Audit Event

Outcomes

1. Successful on-time go-live of S/4 at pilot site in October
2. Consistent and Reproducible Cutover
 - Two rounds of System Integration Testing (SIT)
 - Multiple User Acceptance Test Cycles (UATs)
 - Deployment



Data Conversion Outcomes



ACCURATE DATA

Facilitates accurate and reliable reporting and analytics.

Data in a consistent format allows for better insights and decision-making, which is essential for businesses leveraging data for strategic purposes.



OPERATIONAL EFFICIENCIES

Cost Savings: Reduces the likelihood of errors and data-related issues, which can be costly to rectify.

Error reduction and mitigation helps avoid data load disruptions during cutover ensuring a smoother transition to S4.



CRITICAL LINKS TO HISTORICAL DATA

Enables organizations to analyze historical data.

Maintains the continuity and integrity of historical data in the Enterprise Data Warehouse reporting environment.



COMPLIANCE, AUDIT, AND TRACEABILITY

Involves curation, review, and sign-off of source data used to load S/4.

Facilitates compliance reporting and ensures accountability in the event of audits or inquiries.

Four Lessons Learned

File logistics between the Conversion Hub and business stakeholders requires manual care and feeding



Leverage Sharepoint to control, govern, and retain files



Implement secure system for managing files

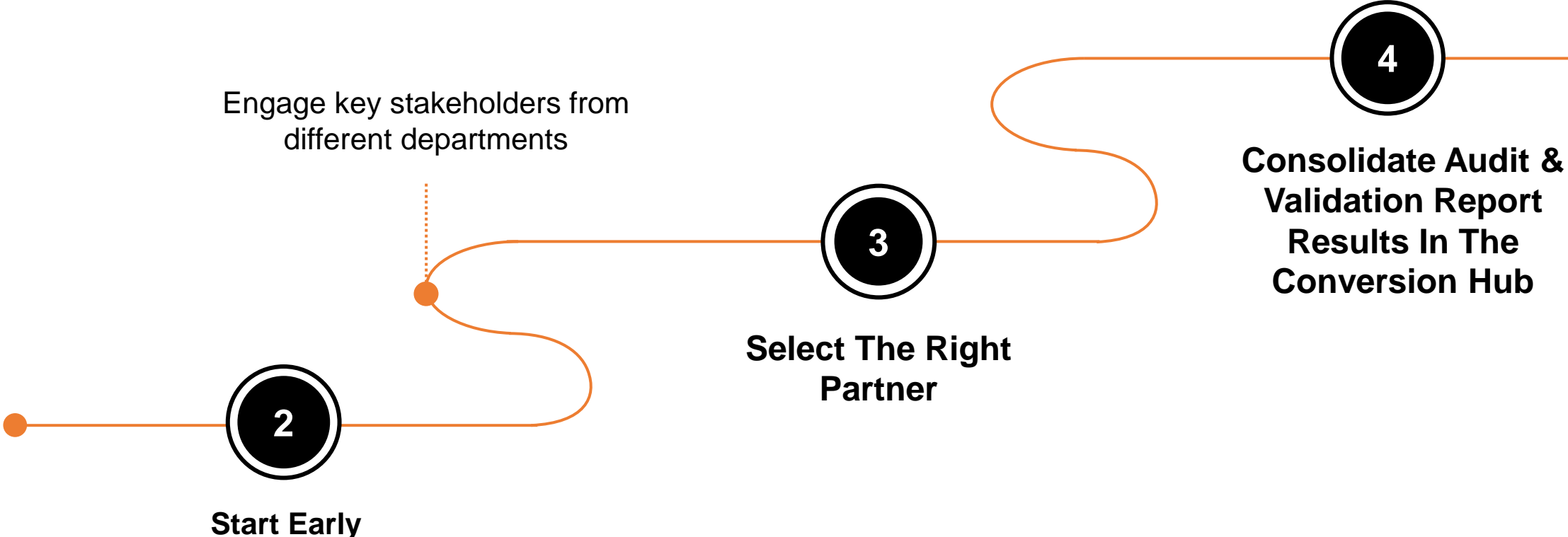


Document approvals in shared locations



Appoint a Project-wide **Data Conversion Lead** for centralized control

Four Lessons Learned



THANK YOU

Eric McGee | VP Data and Analytics
c: 469-544-3525 | emcgee@trudatasolutions.com

Suzanne Carrier | Director, Business Development
c: 604-787-7513 | scarrier@trudatasolutions.com

trudatasolutions.com