Xtensible

Data Driven Digital Transformation

Its all about the data

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Who is Xtensible?

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Xtensible Company Overview

- Exclusively for the utility industry since 1998
- Headquartered in Orlando, FL, USA.
- A leading provider of standards-based smart grid integration solutions and services to the utility industry.
- Thought leader in utility industry enterprise integration, data, analytics and information management
- Members of Xtensible team lead and participate in over 30 different smart-grid related stands efforts

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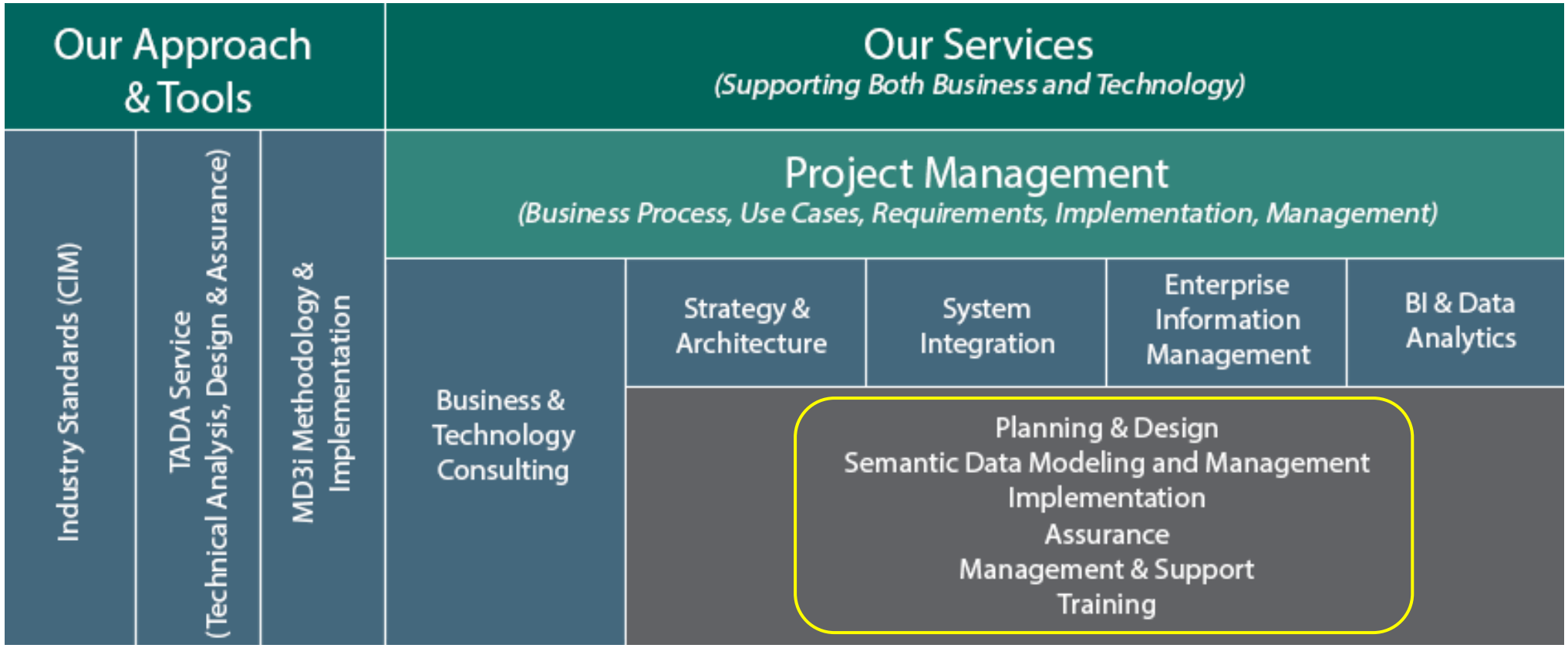
Xtensible Focus on the Utility

Helping you understand, manage, integrate and use your data.



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Xtensible Products and Tools

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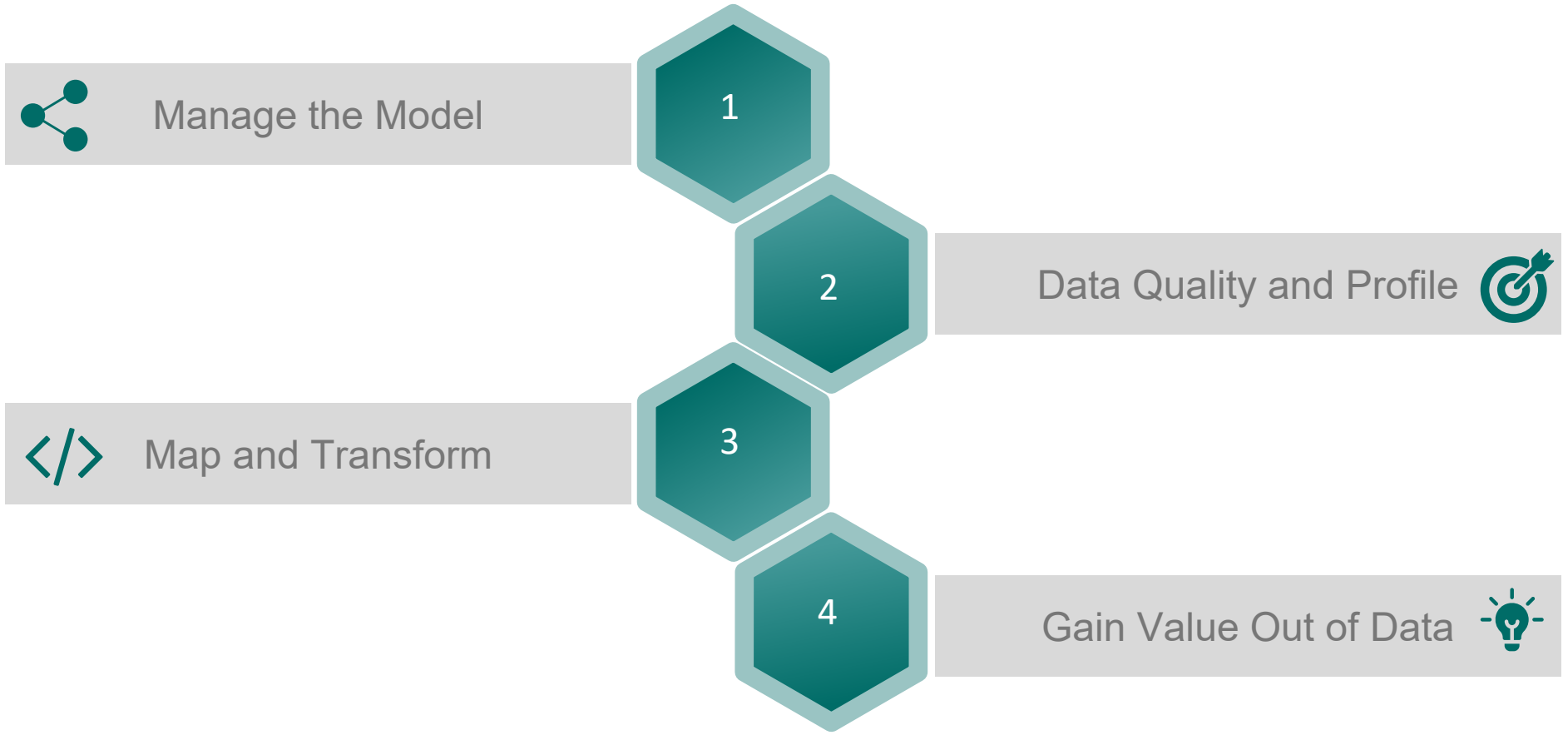

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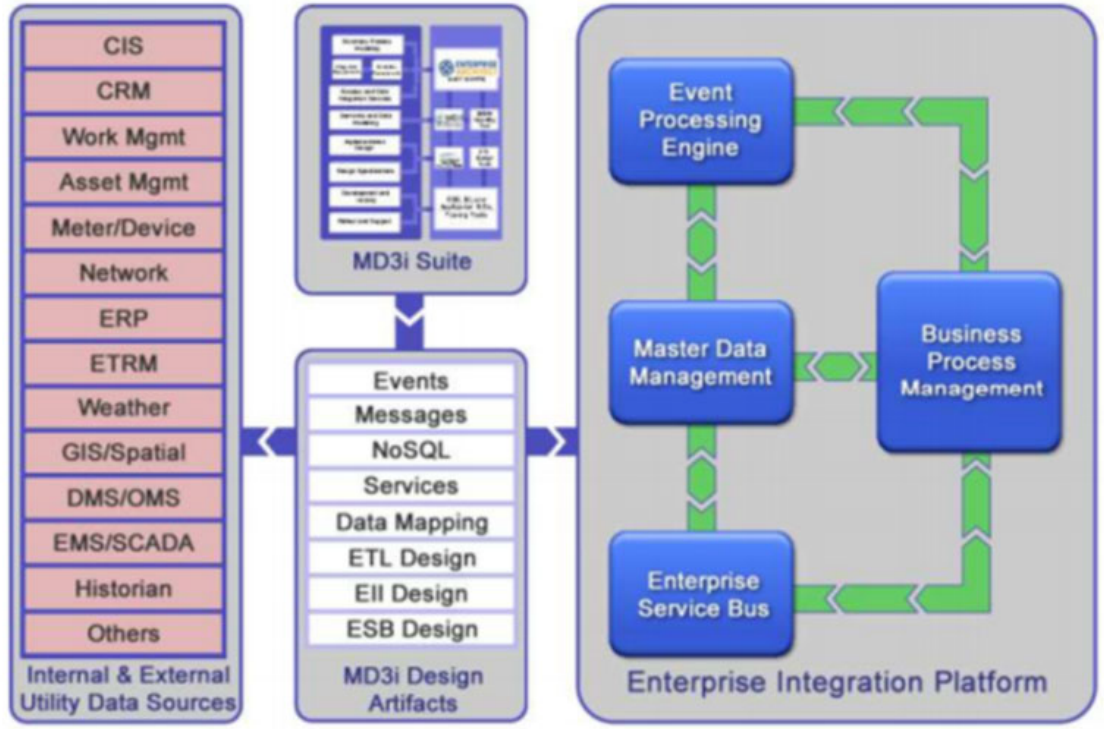
MD3i EA Plug-in

Manage the Model

1

- Allows to manage the reference model and ensure traceability
- Import the CIM – manage multiple versions
- Import other Models (e.g. Vendor, SID, etc.)
- Generate usable design architects



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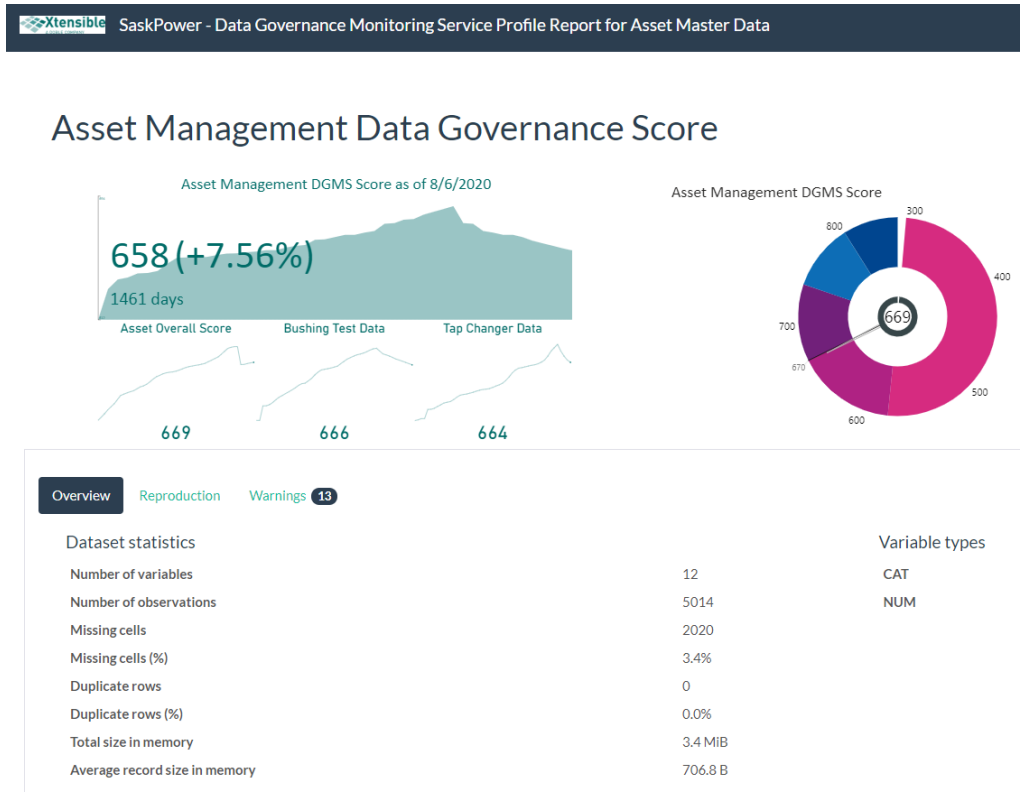
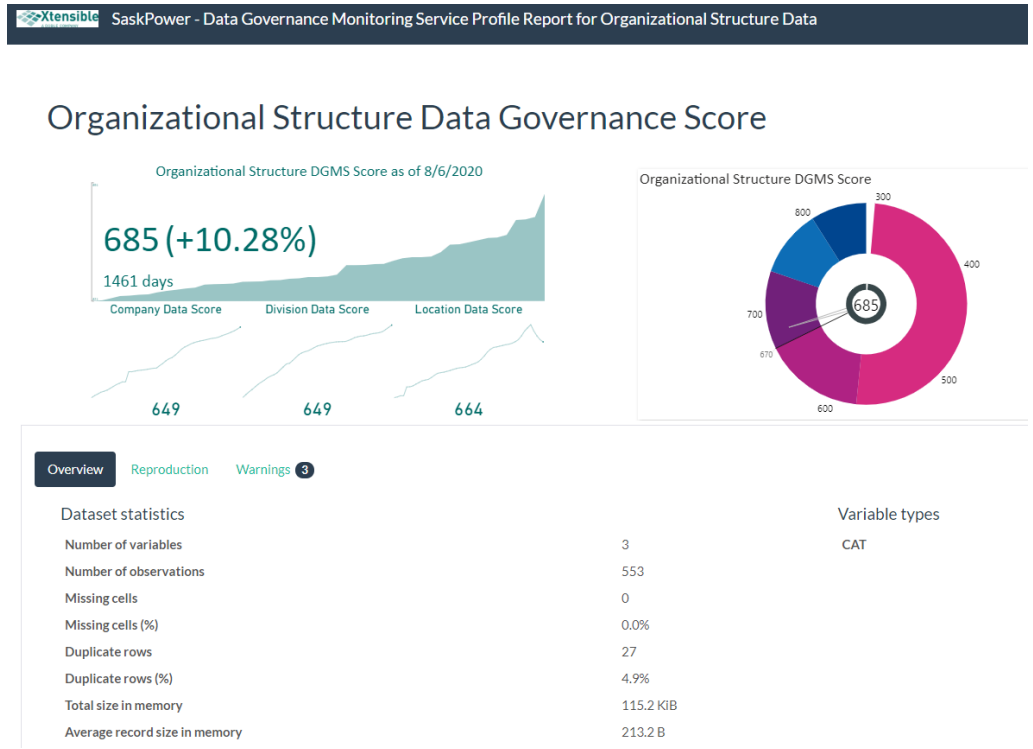
Data Health Index (DHI) Service
Data Governance, Health and Profiling

2

Data Quality and Profile

- Utilize components of the NIST Big Data Interoperability Framework





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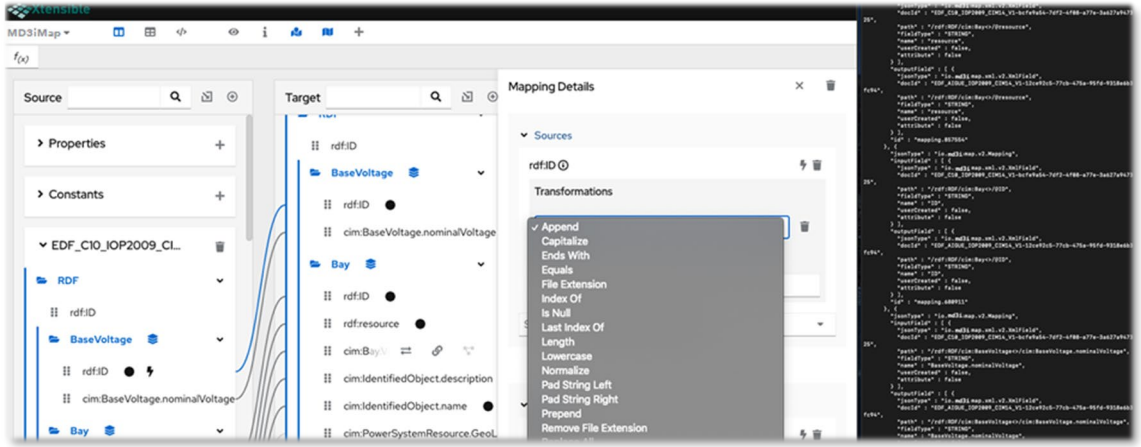
MD3i Map – Beta Version

Map and Transform

3

- Support automated mapping
- Mapping of target and source information stored in structure form
- Transformation definition and validation check
- Code generation
- Linage from target and source to semantic model



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Xtensible Use Case Example

Gain Value Out of Data

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SCE – Southern California Edison

- 15 million people
- 180 incorporated cities
- 15 counties
- 50,000 square miles of service area
- 5,000 large businesses
- 280,000 small businesses
- 12,635 miles of transmission lines
- 91,375 miles of distribution lines (less Streetlight miles)
- 1,433,336 electric poles
- 720,800 distribution transformers
- 2,959 substation transformers

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SCE

- Related articles:
  - Importance of effective Data Management in analytics
  - Importance of Data Modeling in Analytics and Beyond!

- Presentations
  - DistribuTECH 2016, 2017, 2018, 2019 Conferences
  - IEC CIM User Group 2019 Conference
  - EPRI 2018 Grid Operations Conference

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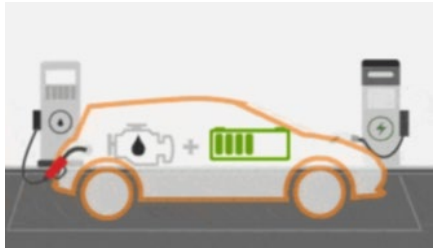
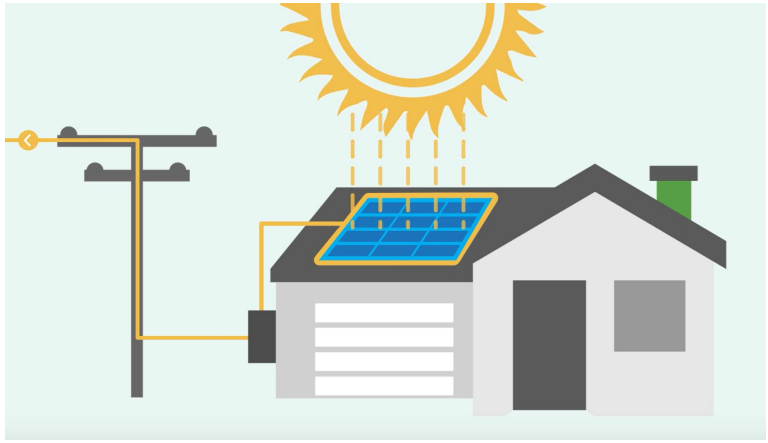
SCE Grid Modernization – Focus on DER

Electric Vehicles &
Hybrid Electric Vehicles



Energy Efficiency & Demand Response



Distributed Generation

Distributed Energy Storage

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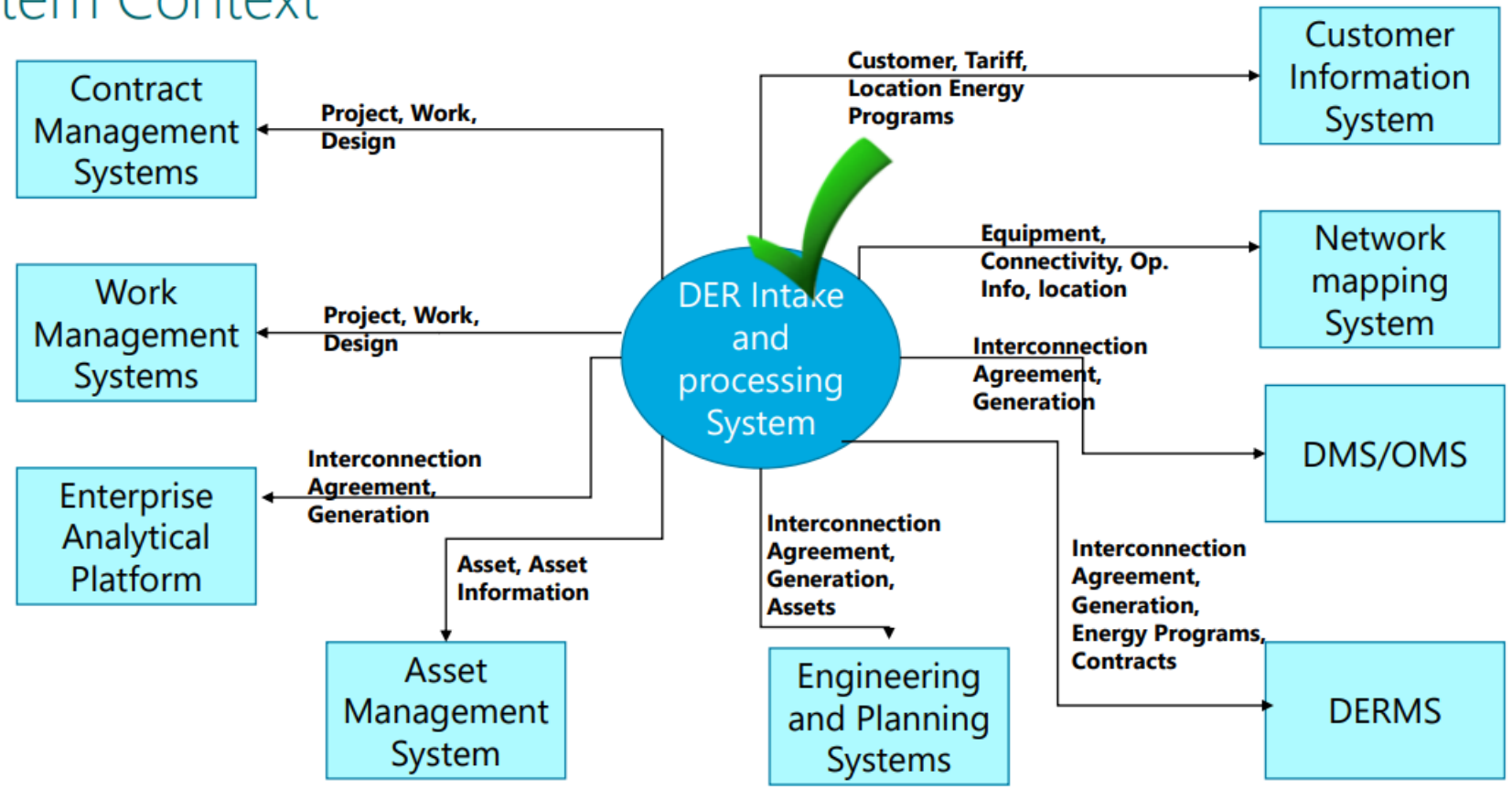
SCE Grid Modernization

System Context



Energy for What's Ahead®

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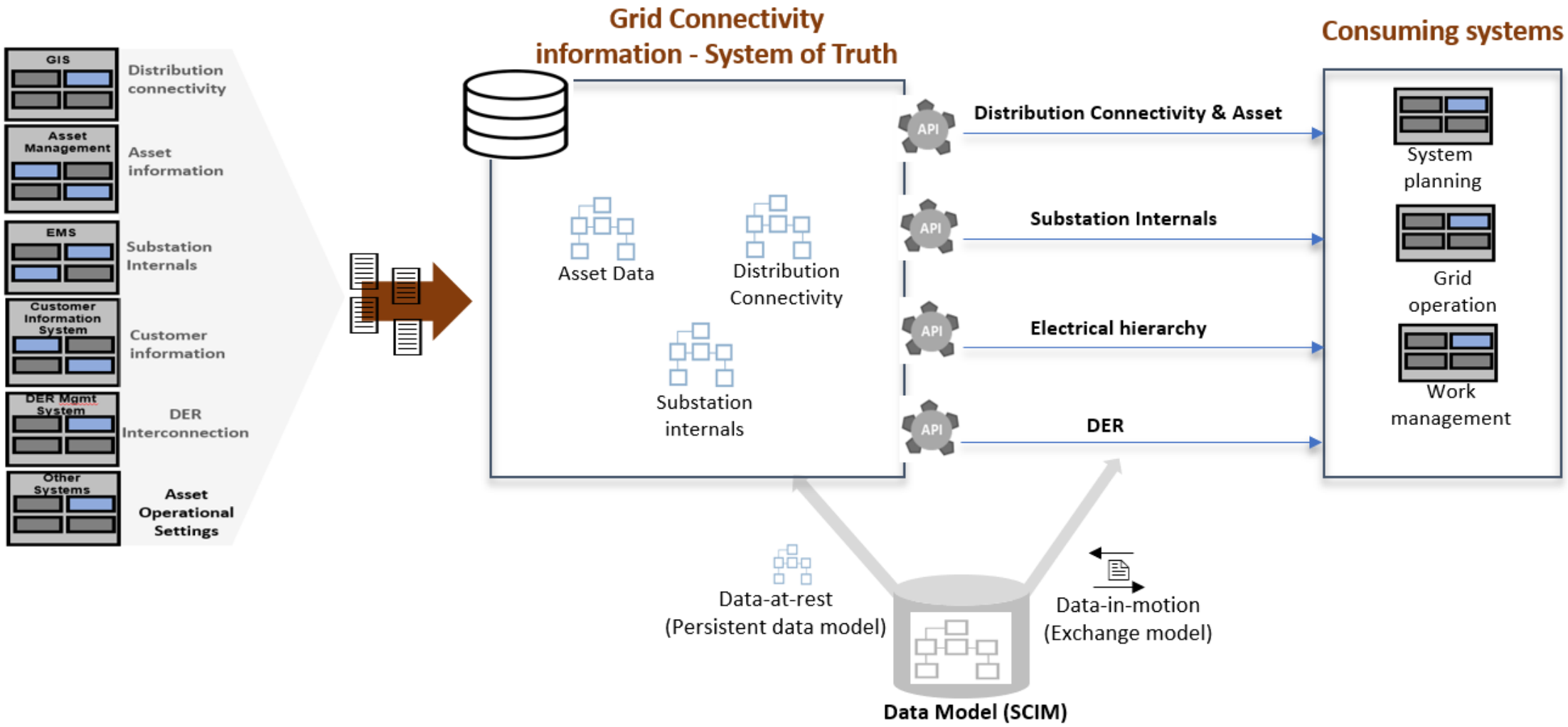

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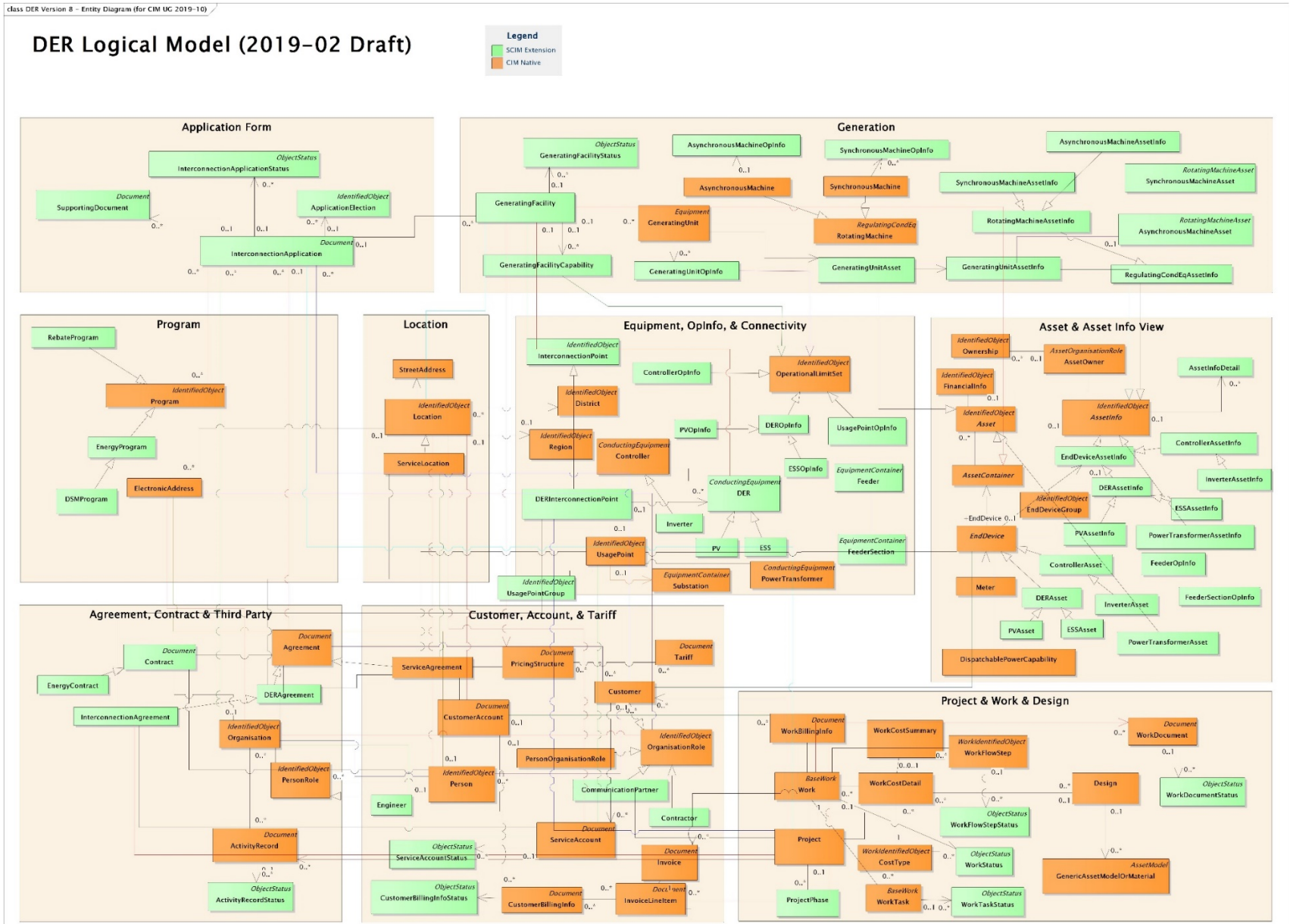
SCE Information Model (SCIM)



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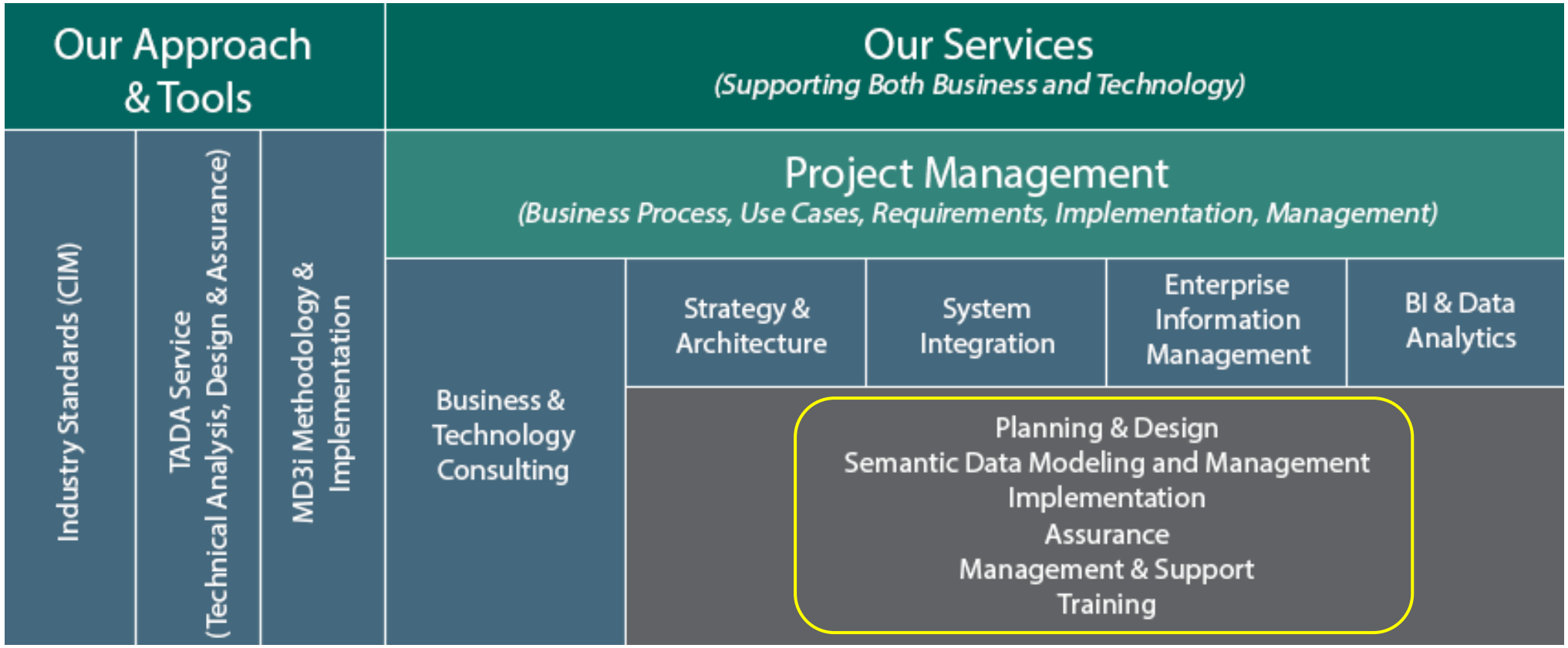

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