GIS Sync Automation
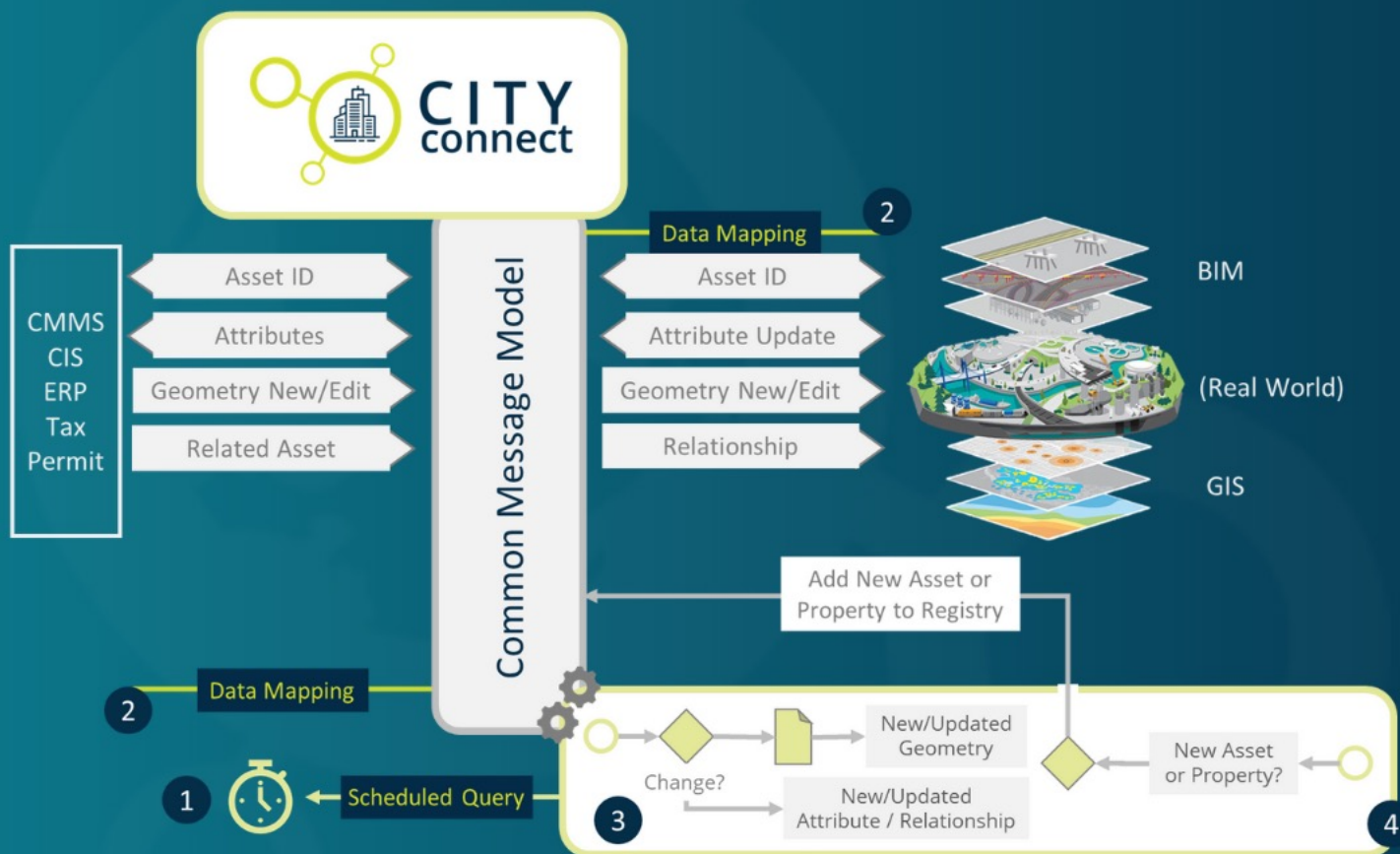
Synchronize service and asset data from your work management and/or utility billing system with your GIS assets.

CITY connect

Common Message Model

CMMS
CIS
ERP
Tax
Permit

Asset ID
Attributes
Geometry New/Edit
Related Asset

Data Mapping 2

Asset ID
Attribute Update
Geometry New/Edit
Relationship

BIM

(Real World)

GIS

Add New Asset or Property to Registry

2 Data Mapping

1 Scheduled Query

3 Change?

New/Updated Geometry

New/Updated Attribute / Relationship

New Asset or Property?

4

---

1 The Automation performs a Scheduled Query for new assets or properties in your operations or finance systems to post to the GIS/BIM solution, filtering only those assets containing or related to an asset with a geometry.

2 Assets/Properties are mapped to the Common Message Model, and any related assets (which may not have geography/geometry associated) are linked to each asset.

3 If there are additions or updates to asset/property geometry in the GIS/BIM these are actioned first. Attribute changes are applied next in either direction.

4 There may be new assets or properties created in the GIS/BIM. A new asset/property record is created in the operations system for each and populated with minimal data from the GIS/BIM.