BIM & GIS Convergence

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**BIM**

Supplies detailed information about *built assets*.

**GIS**

Provides information about assets in the context of the *built and natural environment*. 
GIS Informs BIM – BIM Fuels GIS

BIM & GIS collaboration supports the entire AEC lifecycle

- Master Planning
- Regulation & Permitting
- Project Planning
- Design
- Build
- Commissioning
- Handover
- Asset Management
- Revenue Generation
- Capital Portfolios
- Capital Projects

GIS Informs BIM – BIM Fuels GIS

BIM & GIS collaboration supports the entire AEC lifecycle
Industry Challenges | BIM+GIS

**DISCONNECTED DATA & WORKFLOWS**
- Siloed Data
- Project inefficiency
- Data uncertainty and currency

**Impact**
- High cost of lost & inaccurate data

**LOCATION AWARENESS**
- Lengthy approval process
- Sustainability and resiliency
- Permitting delays

**Impact**
- Community pride decreases

**PROJECT COMPLEXITY**
- Collaboration across teams
- Uninformed decision making
- Aging Infrastructure rehabilitation

**Impact**
- Project delays and poor decisions
Autodesk Customer Survey

237 Customers

- 93% Customers needing GIS integration into BIM product
- 83% GIS data is important to daily work
- 20% Current GIS integration is easy
Increasing Demand for BIM & GIS Interoperability

28% Average Design Time Saved

90 Days Average Construction Time Saved

13% Average Project Cost Saved

Source: Geospatial World Consulting / Based on Project size >10KM in length or 100 Square Kilometers in Area
We are not leveraging readily available potential