Eng + Surveying
Geophysics + IT
Multi Discipline
Multi National
Key Person

Philip Meis
As-Built / Utility Investigation Chairman
3D SUE Savings

SR 510 Washington State

- Construction: 10%
- Time: 30%
- Labor: 50%
- Claims and litigation: 0%
Recent 3D Projects

1. LAX APM
2. Port of Tacoma
3. LAX ITF West
4. HART Light Rail City of Honolulu

Return on Investment: 10X
3D Pain Points with CADD/GIS

- Importing 3D Utility Data in CADD
- Managing Multiple Records and Data
- Tracking Updates
- Storing and Retrieving 3D Data
3D Pain Points with As-Builts

- Sharing Information with All Team Members
- Data collected with different Standards
- Time to Update the Repository
- Associating Pictures and Files with Features
ProjectWise Approach

File Folder Labyrinth
Isolated Coverage
EASY
COLLECT DATA ONCE AND REUSE

RELIABLE
METADATA AND ATTRIBUTES

SOLUTION
SUSTAINABLE REPOSITORY
Standards and Customization

ASCE and OGC Data Standard collection, storage, transfer, services

Adaptable to Organizational Structure and Work Flows
Import to 3D Design

OpenRoads
Civil 3D
BIM/CIM
MERGING UTILITY RECORDS AND SUE
PHASED APPROACH
Keep it Simple

Platform Indifferent

Supporting Multiple Users
CADD/GIS

Integrate Utility Permit
GIS 3rd Generation On-Line System