Mapping Solutions & Connectivity - Empowering the Decision-Makers

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AGENDA

- Technology is just another tool
- Schema is KING
- Data
- Selecting the right Method/Application
- Meta data
- Training
- Champion
Technology

While technology is all around us defining the:

• Correct technology to work in the environment(s) required.
• Skill sets
• Delivering the outputs
• Assigned budget

“The Challenge”
Technology

Environments
- Location
- Weather
- Human factor

Skill set
- Labourers, Technical, Young-Old
- Trainable???
Technology

Outputs
This is the format that can be consumed by the Enterprise systems.
Technology

Today's technology opens up a wide range of options
Schema

Defining the Schema

- Schema
- Feature Code
- Data Dictionary
- Forms

Different software allows for different types of data capture

Schema’s define the data to be collected - get it right!
DATA

2 types of projects

Capture & Maintenance

Building mobile tools based on key deliverables - for key decision makers.

Define what information is required to make the decisions!
• Lists are good
• Photos?
• Signatures?

By the time information enters your corporate systems it is already out of date!
Method / Application

Close relationship between Schema and Data

Data type defines methodology
- Textual
- Numeric
- Spatial
- LAS
- 3D

Data

Schema

Orthophotography

3D Point Cloud

Digital Surface model
Method / Application

Selecting the right method/Application

Once the project is defined then the best fit mobile product can be selected

Trimble Field Inspector (Known asset)

TerraSync (High precision data capture)

TerraFlex (Mass BYOD deployment)

Municipal Reporter (Issue Management System)

Trimble Positions Software (extension for ArcGIS)

Cengea (Land use and Forestry, Enterprise and Mobile)
Method / Application

Collectively gives way to the path!
Example- Farm Mapping

**TerraFlex**

- Multiple Handheld technology
- Simple forms
- Map layer

![Download on the App Store](image1)

![Get it on Google Play](image2)

Download for Windows Mobile
TerraFlex
TerraFlex
Meta Data

• A term used to describe data about data
• Without meta data sources of information must be treated the same
• Lowest level of accuracy
Meta Data

• Record the source information in a form of meta data
• Attach it as a permanent record

Examples
- Source date
- Source equipment
- Precision values
- Worst or average accuracy values
Training

Invest in staff

• Staff overheads
• Become competent users

ROI% = \frac{\text{Total Benefits} - \text{Total Costs}}{\text{Total Costs}} \times 100
Champion

• Appoint a champion to drive the project (Roadblocks vs Solution)

Consider this......
Often the best person to appoint is the one with the most to gain!