



Tele Atlas® Find more.™

Mapping The World An Extra Dimension?

Sven Coppens

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LiDaR Opportunities

Road Geometry



- Curvature
- Slope
- Width
- Accuracy

LiDaR Opportunities

Road Attribution

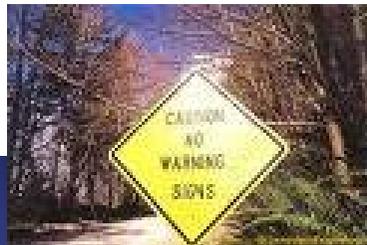


- Pavement
- Lane Information
- Tunnel
- Bridges

LiDaR Opportunities

Road Furniture

- Side walks
- Curbs
- Signs
- Advertisement Panels
- Trees
- Road Lighting



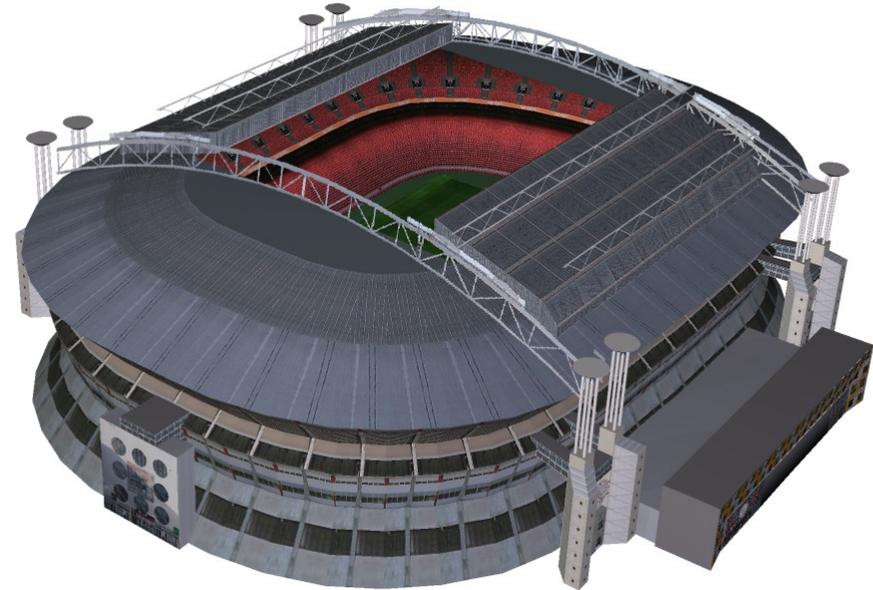
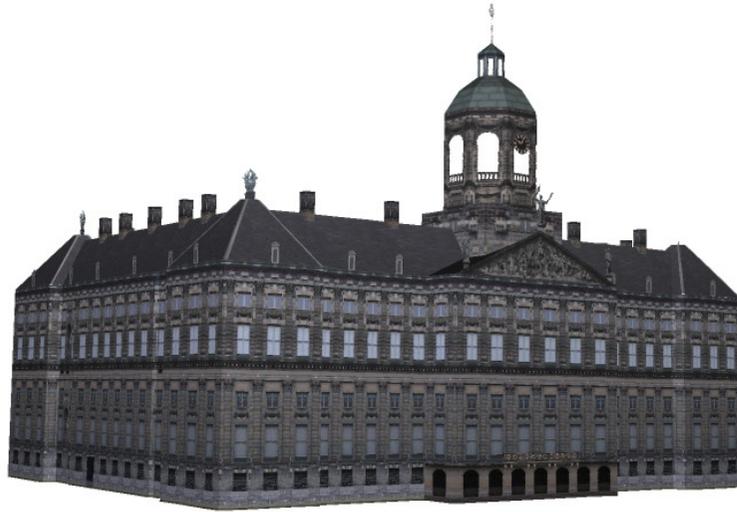
LiDaR Opportunities

3D Information



- Building
 - Facade
 - Building Footprint
 - Height
 - Roof structure
- DTM

The Market Today



The Market Today

Personal Navigation

Challenges

- Disk space
- Processing capacity
- Screen size

In Car Navigation

Challenges

- Getting updates

GIS

Challenges

- Accuracy

Internet LBS

Challenges

- Bandwidth



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Challenges for Tele Atlas

Data Size

Feature

Extraction

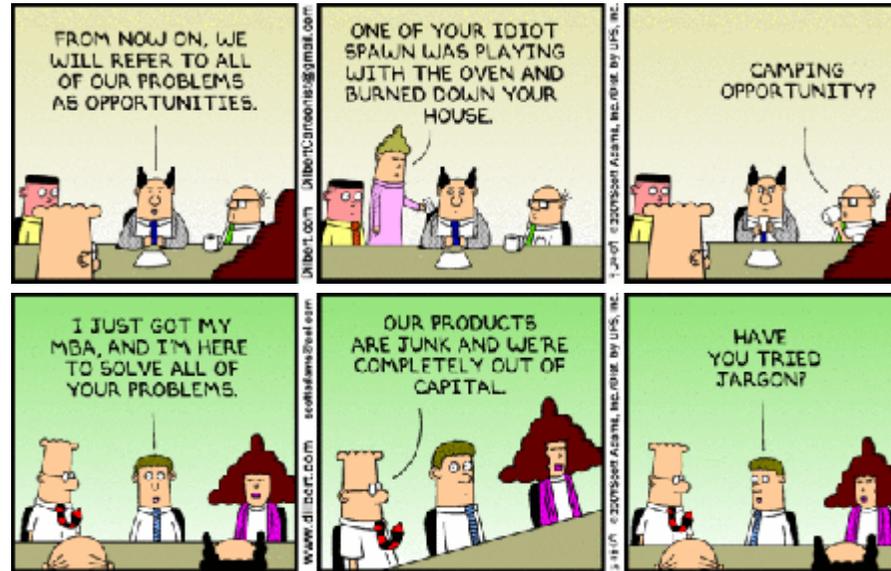
Combining
Sources

Combining
Buildings
and DTM

Reflection

Small
streets

Keep products
synchronized



Change
detection
between
deliveries

Spatial
Accuracy

Generalization of
Buildings

Creating is one but
maintaining is ...



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