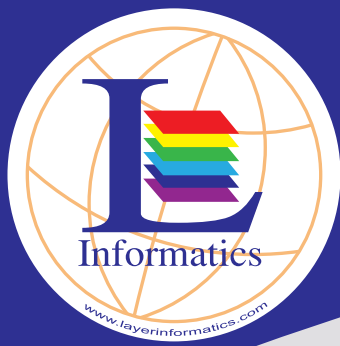




UPDATION VECTOR MAPPING

A Case Study



CHALLENGES:

- ▶ Since the data was 8 years, there were lot of unwanted features & the symbologies used were entirely different.
- ▶ Identifying & removing the unwanted features & updating the data as per the new feature list was challenging.

INTRODUCTION:

The project involved Update of Planimetric & Topographic features with respect to 1:5000 mapping scale.

KEY ASPECTS:

The key objective of this project was to update the 2004 vector data using the new digital photographs acquired in 2012. The vector data needed to be analyzed for any changes happened due to the developments in the last 8 years and mapped them accordingly. This project required about 80% update.

▶ Services Rendered

- Compilation of Road & Transportation Network
- Compilation of Buildings, Walls, Fences, Gates & Supporting walls
- Compilation Leisure & Recreational Areas
- Compilation of Soil & vegetation types
- Compilation of all Hydrographic features
- Compilation of Topography features.

METHODOLOGY:

▶ Preprocessing

An assessment of the supplied inputs is done to ensure all images/aerotriangulation results are available to initiate the project. A project is Setup with the supplied exterior orientation parameters and the camera information.

▶ Data Capture

The Data included the below listed features

- Compilation of Road & Transportation Network
- Compilation of Buildings, Walls, Fences, Gates & Supporting walls
- Compilation Leisure & Recreational Areas
- Compilation of Soil & vegetation types
- Compilation of all Hydrographic features
- Compilation of Topography features.

▶ Seamless Data

The data from individual stereo models were merged into a seamless Map.

▶ QC/QA

A QC checklist was prepared to assess the Editing quality. A random QA was performed to make sure the data was within the acceptance criteria.

TECHNOLOGY:

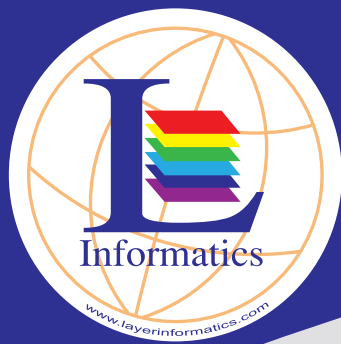
- ▶ Leica Photogrammetry Suite
- ▶ Microstation V8
- ▶ AutoCAD Map 2002

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UPDATION VECTOR MAPPING

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TESTIMONIALS:

Thanks again for putting together such a very comprehensive package of what is required !

APPLICATION:

- Navigation, Control and Route Planning
- Railway corridor map for coastal landscape of environmentally sensitive areas and developed urban areas
- Environmental analysis in transportation planning
- Utility and enhancement of railway network topology
- Route Assessment
- Analysis of Utility Production
- Hazard Assessment
- Asset Monitoring

SCREEN SHOTS:



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Scotland, UK.

US Office:

Scranton, PA 18505

Middle East Office:

Doha, Qatar.



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