

Airborne Laser Scanning Management

Client

ArcelorMittal Liberia

Location / Date

Liberia / January 2008

Background

ArcelorMittal, currently the world largest steel producer, is rehabilitating the former Lamco iron ore project in the south east of Liberia. The project is consisting of port facilities, a 270km railway line and a more than 500km² mining concession. Due to the civil war in Liberia between the late eighties of the last century and 2005 the complete topographic information of the mining concession area was lost. iMO's task was to manage an airborne laser scanning survey of the mining concession area to generate a digital terrain model of the area.

Scope of Work

- Scoping study
- Geodetic base survey
- Tendering of the airborne laser scanning work
- Permitting
- Logistics management
- GPS ground works during flight mission
- Data quality management
- Data maintenance

Results

Geodetic base net, digital terrain model (1m resolution), ortophotos

Time Required

July 2007 – April 2008

Survey Equipment

Leica 1200 series GPS

