

# Abstract

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## **Ground Videography and Data Collection System (GVDCS)**

**Track:** New Technology and Technology Integration

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Marketing GIS requires up-to-date information. GVDCS acquires data using a vehicle adapted to support the crew, a computer, GPS, digital cameras, and data collection devices. A MapObjects module in the main computer helps navigation while storing data from the different sources, associating it with GPS positioning. Data processing continues in the office with ArcGIS/ArcObjects based modules for semi-automatic data integration and database updating. The final information is stored in a multi-user geodatabase using ArcSDE. The GVDCS makes GIS data production faster and cheaper while meeting different data collection requirements for marketing, telecommunications, utilities, and others.

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