



Octo Telematics S.r.l.  
Rome, Italy  
www.octotelematics.com

#### Industry:

Insurance

#### Employees:

50

#### Oracle Products & Services:

Oracle Database  
Oracle Spatial  
Oracle Partitioning  
Oracle Business Intelligence Suite

**“Oracle Database is an ‘industrial must’ for our next-generation telematics solutions that are setting new standards of performance, efficiency, and customer service for the automobile industry.”** – Massimo Capozza, Business Development Engineer, Octo Telematics

### Octo Telematics revolutionizes “Connected Vehicle” market with industry-leading information services.

Octo Telematics is a global leader in the research, development and management of cutting-edge telematics solutions for automotive and motor insurance markets. Through its technological platform, which includes an in-vehicle monitoring device and its multiservice center, the company offers a unique range of information services including insurance telematics, on-board diagnostics, vehicle recovery, crash management, road assistance and real-time traffic monitoring.

#### Challenges

- Build unrivalled performance into Octo Telematics’ turnkey insurance telematics solution that monitors driving distances and accident probability, used by 38 insurance companies
- Guarantee real-time accessibility and unbreakable security for driver data in line with stringent European privacy regulations
- Scale to access data from potentially 300 million vehicles in Europe, manage many millions of new records per hour, and support data volumes totaling hundreds of terabytes

#### Solution

- Embedded Oracle Database into a multiservice center back office to receive, manage, and store 32 million positioning readings daily from more than 700,000 in-vehicle devices
- Enabled easy integration with the many specialized automotive electronic components used in turnkey applications
- Leveraged reverse geocoding capabilities in Oracle Spatial to map the latitude and longitude coordinates transmitted from in-vehicle devices to plot driving habits and vehicle whereabouts
- Used Oracle Partitioning to access recent data instantly and store historical data for 10 years, in line with customer needs
- Achieved ISO 27001 certification in recognition of the security, integrity, and availability of driver records in Oracle Database
- Built Europe’s most-used insurance telematics solution
- Received an average of more than 1,000 new activations daily
- Extended telematics solutions for major automobile manufacturers through a controller area network
- Used Oracle Business Intelligence Suite to build multidimensional analysis and reporting functionality