Taming Tuscan traffic with "smart city" devices and data

"The system is based on more than eight years of historical data, improving our ability to detect transportation-related issues in real time. Thanks to the Smart City Enabler project developed in collaboration with Deloitte, we can now efficiently analyze, integrate, and create new scenarios to manage the traffic in Pisa."

—Alessandro Fiorindi,
  Director, PisaMo

QUICK STATS

- Area served: Pisa
- Population: 450,000
- Tourists per year: 4 million

THE ISSUE

The Italian city of Pisa is known around the world for its architecture, its art, its history, and its cultural events. With millions of tourists drawn to Pisa each year, managing traffic in this heavily populated area of Tuscany brings big challenges.

THE SOLUTION

PisaMo, a Pisa organization that supervises all elements of urban mobility, collaborated with Abo Data—now part of Deloitte—to develop a unified control center with SAP® solutions. The new digital mobility management system allows PisaMo to comprehensively monitor and manage traffic in Pisa—using IoT and big data capabilities to get a real-time, bird's-eye view of the situation on local streets. The system, part of Pisa's Smart City Enabler project, supports proactive traffic management, interacting with various subsystems to provide instant insights into critical traffic events as they occur.

SAP technology enabled

SAP® Leonardo IoT

SAP Cloud Platform

THE IMPACT

- Single point of control for real-time and proactive traffic management
- Improved flow of traffic across the Pisa area
- Data visualization of heterogeneous sensors/devices:
  - Real-time data   • Historical queries
- Ability to issue commands directly to sensors/devices
- Centralized management of users, applications, and resource/data permissions
- Simplified process for developing new rules and services
- Ability to forward smart data to dedicated dashboards

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