



landbouw, natuur en
voedselkwaliteit

Plantenziektenkundige Dienst
Wageningen, Netherlands
www.minInv.nl

Industry:

Public Sector

Employees:

300

Oracle Products & Services:

Oracle Database
Oracle Database Lite
Oracle Fusion Middleware

Oracle Partner:



Q-ray
www.q-ray.nl

“Oracle has enabled our inspectors to process plant inspections more quickly and efficiently than previously thought possible. We can now complete a plant inspection that once took two days in 15 minutes—a testament to this new system.” – J.A.J. Kardolus, Plantenziektenkundige Dienst

Plantenziektenkundige Dienst Optimizes Plant Inspection Process Using Mobile Systems

The Plantenziektenkundige Dienst (PD or Plant Protection Service) is an integral part of the Ministry of Agriculture, Nature and Food Quality in the Netherlands. Its objective is to protect the Netherlands’ natural landscape, develop strategies against the introduction and spread of dangerous pests, and promote safe and effective control methods.

Challenges

- Address the demand for a vastly accelerated plant inspection process necessitated by legislative changes that disallowed plant transportation into the Netherlands without prior inspection at specific border locations by the PD and the private inspection organizations that work on assignment for the PD
- Create an electronic system to process inspection data sent from various field locations—even when coverage problems prevent immediate data transmissions
- Integrate the electronic process seamlessly with the PD’s existing Inspection Management System (IBP) and the systems of the private inspection organizations
- Consolidate disparate inspector “selection lists”—including one containing 4,000 different plants—to one database

Solution

- Reduced plant inspection processing times from two days to 15 minutes with the creation of a mobile system based on personal digital assistants (PDAs) running Oracle Database Lite
- Streamlined processing and improved accuracy by reducing data input—comprehensive selection lists are now accessible via the PDAs including plants, molds, and insects—enabling dynamic list selection, such as all prohibited molds
- Solved coverage problems by allowing inspectors to store information on their PDAs until a network connection is available, whereupon the data would automatically synchronize
- Enabled Plant Protection Service to react quickly to future legislative changes through a dynamic and flexible solution
- Improved plant inspection process efficiency by integration of the mobile system with necessary infrastructure and back office systems, and eradication of lengthy, handwritten reports
- Facilitated adoption through an intuitive, user-friendly system