

Company: The Irish Department of Agriculture –
Veterinary Laboratory Services

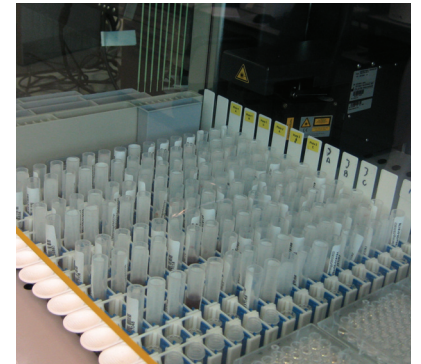
Application: Livestock health, welfare, national livestock disease database; veterinary public health for the purpose of collaborating with public health specialists and the Food Safety Authority



Scope:

National Industry: Agrifood sector is one of Ireland's most important indigenous industries, with over 8% of GDP and employment and exports of over 8 billion euros

Multiple Labs: 3 integrated laboratories and 6 independent multi-disciplinary laboratories across Ireland



Background:

The Department of Agriculture, Fisheries and Food has multiple laboratories spread across Ireland, yet the demands of these laboratories are to provide integrated information across labs and to the central department regarding animal disease on a national level. The laboratory services required an integrated data management system to manage pathology, histopathology, biochemistry, virology (for general livestock and poultry), bacteriology, mycobacteriology and parasitology and to generate epidemiology and disease surveillance information for use across all laboratories.



Challenges:

- Improve the quality of information generated to ensure public safety
- Produce national database of animal disease surveillance
- Improve efficiency in the operations of the laboratories
- Facilitate and improve communications across labs and departments
- Generate more strategic information for management
- Provide timely electronic reporting for veterinary practitioners, farmers, statutory agencies and the Department of Agriculture, Fisheries and Food

Solution Components:

Thermo Scientific Nautilus LIMS

- Integrated with multiple laboratory instruments and ERP systems
- Centralized database simplifies retrieval, analysis and reporting of data
- Improved efficiencies in operations and communications between national departments

Animal Health Tracking System

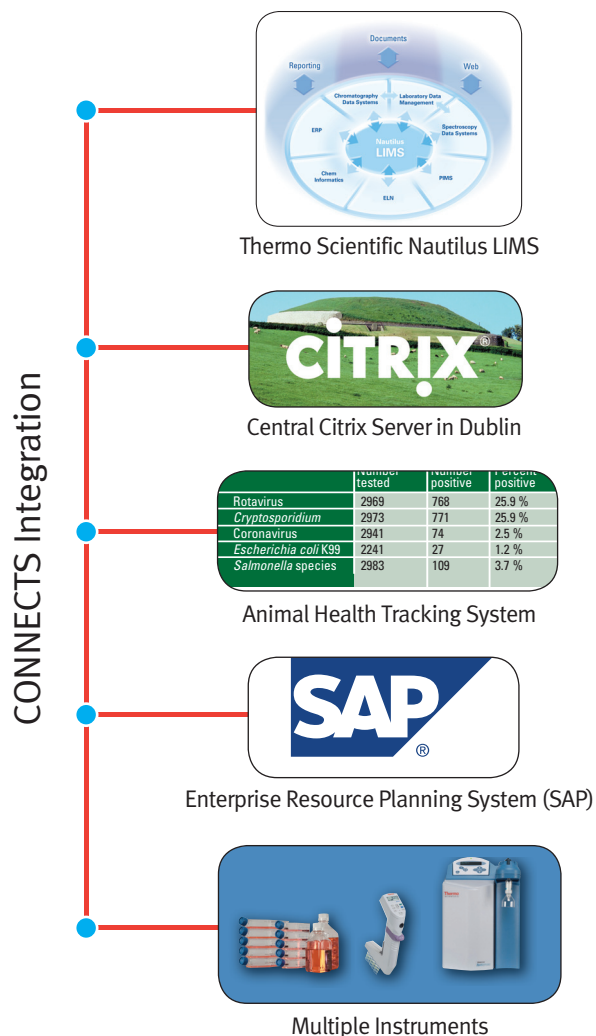
- Integrated with LIMS enables the National Surveillance Program for TB

Enterprise Resource Planning System (SAP)

- Integrated with LIMS provides efficiencies in monthly invoicing to all users

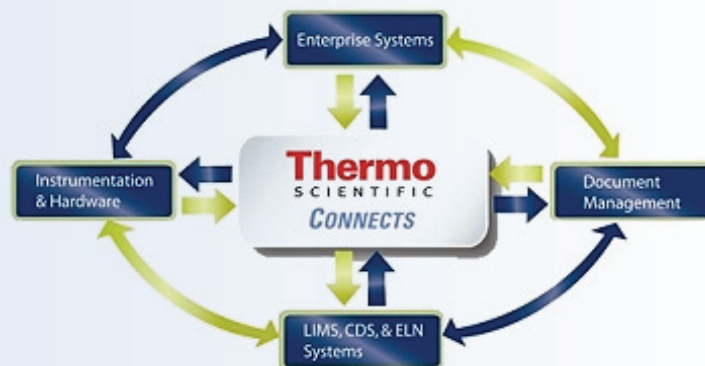
Results:

The Irish Department of Agriculture realized an 80% reduction in manual transcription, associated paperwork and errors, as well as increased sharing of information and tracking of samples across the nation. Standardization of data enables national trends and characteristics in animal disease, while integration of LIMS to the Animal Health Tracking System enables national surveillance of the Bovine Tuberculosis program. Integration of LIMS to SAP has automated and centralized the coordination of tests to practitioners, eliminating time consuming administrative tasks from each section.



About Thermo Scientific CONNECTS

Thermo Scientific CONNECTS is aimed at bridging the gaps between laboratory generated data and the enterprise level information that is required for mission critical management decisions. A broad product offering allows us to help our customers expand the business of science from the laboratory throughout the enterprise, providing both the integration of instruments and systems, and interoperability necessary to transforming data into relevant business drivers for companies across the broadest spectrum of industries.



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