More than 300 Clinical Labs worldwide are using DNLab.
The organization scenario of clinical laboratories is going through a phase of deep transition. Enhancement dynamics of diagnostic processes, the evolution of investigation methods and the increasing pressure on cost-effectiveness make the implementation of cutting-edge management software imperative. The IT model adopted to map the organization’s structure must be capable of sustaining radical changes without causing interruptions or malfunctions to the system, which has to extend to the new frontiers of laboratory diagnostics consistently and as a whole. Integration procedures must ensure rapid and comprehensive availability of diagnostic and administrative data.

DNLab is the NoemaLife solution on which to rely for the organizational evolution of modern clinical laboratories:
- Flexibility and responsiveness of the organizational model
- Comprehensive management of the diagnostic process
- Unequaled integration features
The conceptual model on which DNLab is based is the Single Logic Lab.

The distinctive characteristic of the model is to determine that whatever the physical model of the process to be implemented may be, it is always represented through a single laboratory process, a single direction, a single level of automation and a single service level.

- Constant presence of a single, consistent and homogeneous domain
- Global view of the diagnostic process
- Complete visibility, based on established access rights, of the process’s state of advancement
- Flexibility enabling to support the evolution of operative and structural models
- High level integration with other IT systems
- Compliance to security and privacy regulations
DNA

DNA is the real time data acquisition module that interfaces analytic, pre-analytic and post-analytic equipment within the medical laboratory. DNA also manages connectivity with POCT and with image processing systems. Today there are drivers available for over 300 autoanalyzers from more than 60 equipment manufacturers.

THEMIS

THEMIS is the module that manages Digital Signatures of the medical reports generated by DNLab. THEMIS enables completely dematerialized lab reports, managing documents in pdf and XML-CDA file formats. THEMIS enables the creation of signed reports in P7M format as well as based on the new XML d-sign standard.

EOS

EOS is the solution that manages and streamlines processes within Genetic Medical labs. EOS is a specialized system that responds to the unique requirements of highly complex diagnostic sectors such as: Cytogenetic, Molecular Genetics, Immunogenetics, Consulting.

PEGASO

PEGASO is the web-based module that manages performances delivered on a services basis. It enables comprehensive management of the information and process flows from admission to digitally signed medical reports. PEGASO enables to separate systems and configurations from client and delivering entity while ensuring a single management vision of the process.

PROMETEO

PROMETEO is the new module that provides the support required for the validation of clinical results. Based on a real Artificial Intelligence engine, it works beside clinical specialists in verifying results, and at the same time ensuring a significant reduction of the time dedicated to this operation and a substantial increase of data quality.

ANDROMEDA

ANDROMEDA is the module dedicated to Business Intelligence. It provides real time measurement of the main parameters of the production process of each test performed in a specific clinical lab. ANDROMEDA is designed with a strong modular approach to investigation, which offers the flexibility required to gradually add new features, based on the specific needs of the Laboratory.
ADVANCED OPERATING MANAGEMENT FEATURES

The evolution of organizational structures of clinical laboratories requires extraordinary support from IT systems. **DNLab** completely responds to this requirement, providing laboratories with the Flexibility and Reactivity required by organizational dynamics. The **Flexibility** allows clinical labs managed with **DNLab** to continuously enhance their organizational model without causing interruptions, while protecting existing investments. **Reactivity** enables clinical labs managed with **DNLab** to introduce new diagnostic elements within consolidated processes.

- Identification at admission of the laboratory performing the tests, and creation of a single request form
- Complete and continuous visibility of the requested tests' execution status from any workstation within the Single Logic Lab
- Complete visibility of the patient’s clinical history regardless of the laboratory performing the tests
- Extremely flexible results viewing, input and validation policies that help to adapt to laboratories’ organization structure
- Availability of application features that allow workflow shifting (for example, moving specimens from one facility to another) to manage emergencies
- Possibility of generating a single results report for every request form, regardless if tests have been performed by one or more labs
- Integrated management of sectors including urgency, microbiology, virology, cytogenetic and molecular genetics.
The activities performed within the Clinical lab must be organized and managed individually and homogenously, in the same way that patients’ treatment processes must be viewed as a single process. To achieve this, **DNLab** ensures the lab’s management complete control over the diagnostic process.

- Complete data tracking, as regards both clinical information and configuration
- Analytic activity real-time, continuous management with immediate programming of analyzers
- Bidirectional integration with pre-analytic, analytic and post-analytic tools and point of care
- Online and real time quality management
- Expert system to support the clinical validation process
- XML d-sign compatible Digital Signature features

Information, both diagnostic and administrative, must always be available at the right time and in the right way. Current and future requirements go beyond this: integration not just as information flow but also as process integration. To respond to these requirements, **DNLab** offers consolidated tools and innovative integration procedures.

- IHE/HL7 communication interface for communications with external healthcare systems
- Results reports in XML-CDA level 2 format
- Data and Process integration dedicated to managing performances delivered on a services basis.
Since 1996, NoemaLife works side by side with high level healthcare organizations assisting them in the fulfilment of their most ambitious goals.

NoemaLife’s core mission is the enhancement of clinical processes through workflow automation and process management.

In a constantly evolving industry, NoemaLife helps its customers to improve their workflows and processes as well as to increase their operational efficiency through the expertise and cutting edge technology it possesses as a Strategic Partner.

NoemaLife means:
- State-of-the-art Solutions
- An unparalleled focus on Customer Care
- A well established reputation for Expertise and Quality

NoemaLife offers a comprehensive set of leading edge solutions:
- Diagnostic Information Systems at the departmental level
- Enterprise Electronic Medical Record at the hospital level
- Integrated Care Solutions at the community level

With more than 1,200 implementations in healthcare facilities and more than 400 employed professionals, NoemaLife is one of the Leading European vendors of Clinical Information Technology solutions.

To consolidate and accelerate its growth, in May 2006 NoemaLife was listed in the Italian Stock Exchange.