**Cd CURISDATA**

DATA QUALITY
MANAGEMENT SYSTEM

Cement Laboratory Module

**CURISTEC**

# CURISDATA
# KEY COMPONENTS



## Project Management

- Structured work flow process
- Activities scheduling
- Customer specific requirements
- Data input error monitoring
- Design & cost calculators
- Test analysis and validation
- Standard and customized test reporting



## Resource Management

### People
- Technical qualification
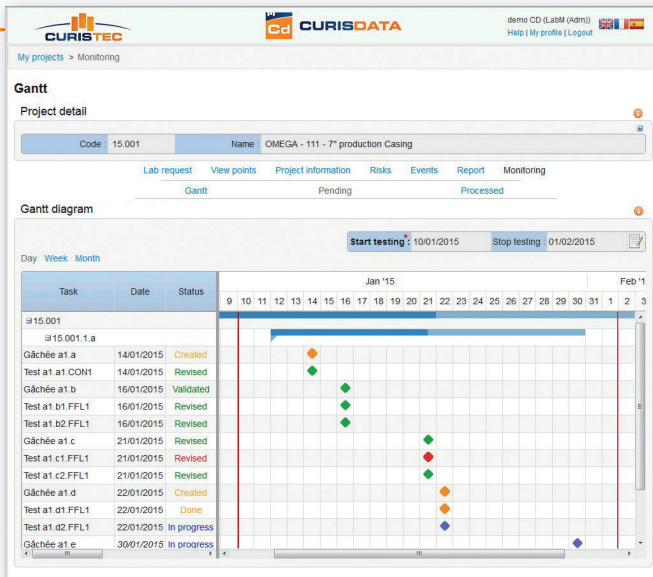- Experience training
- Utilization

### Equipment
- Location
- Maintenance
- Calibration
- Utilization
- Life of the equipment
- Spare part inventory
- Accessory

### Materials
- Location
- Quality control
- Chemical compliance
- Chemical inventory



## Quality Management

- Chemical & equipment safety processes
- API & ISO standards monitoring
- Real time process monitoring
- Risk assessment & analysis
- Automatic quality cycle reviews
- Management of change
- Key performance indicator

**CURISDATA** helps you to efficiently and effectively manage your cement laboratory(s). It allows you to reduce the time and cost associated with redundant or re-work testing, data capture, data mining, chemical inventory, equipment calibration / maintenance scheduling, staff training and certifications, quality processes, and report generation. CURISDATA helps you obtain and maintain your quality management compliance qualification as outlined in either ISO 9001 or API Q2.



Intermediate report — CURISTEC



CURISDATA search interface screenshot

# Communication Management

## Documented communication processes
CLIENT ↔ SERVICE COMPANY
OPERATIONS ↔ LABS

## Multi labs networking
- Test results
- Customer requirements
- Process changes
- Cement / Rock / Fluids

## Reporting
- Generic and customized test reporting
- Document communication chain
- Embedded data processors

# Data Management

- Multi-lab capture, storage and search
- Complete security system
- User specific designation
- Documented data entry, access and use
- Drill down search engine
- Mining and analysis tools

# Multi-lingual

# CURISDATA TECHNICAL FEATURES

## Laboratory Workflow Modules

- Web-compliant remote test request and results reporting
- Multi-laboratory networking capabilities
- Cement / Rock / Fluids modules
- Conventional, compressible and salt cement design calculator
- Pre-defined or customized test worksheets
- Testing instructions and processes
- Electronic slurry component weight recordings
- Test specific slurry volume calculator
- Industry standard or customer specific mixing instructions and testing processes
- Slurry cost calculators
- Risk analysis
- Standard and customized test reporting templates

## Chemical, Equipment and Staffing Modules using Flash Codes and/or iPads

- Cement and chemical sample tracking
- Real-time and automatic chemical inventory management
- Chemical specific performance windows and characteristics
- Real-time equipment status, inventory and utilization tracking
- Equipment calibration / maintenance scheduling and tracking
- Spare part inventory management
- Staff utilization
- Import and export of cement, chemical and equipment data

## Quality Management and Reporting Modules

- Quality process workflow database
- Quality process adherence monitoring and tracking
- HSE and MSDS databases
- Data and result reporting security via user specific designations
- Staff training and certifications
- Equipment status, calibration and maintenance
- Chemical compliance monitoring and reporting
- Multi-level database search capability
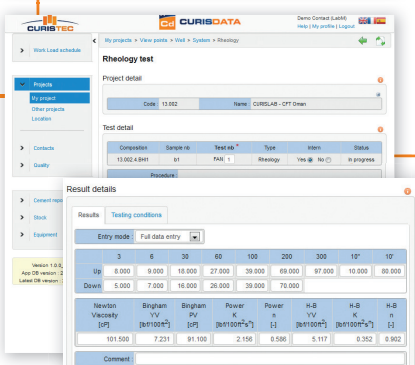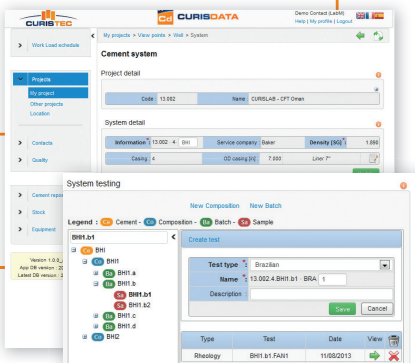
# HOW DOES **CURISDATA** CREATE VALUE?

## Cement Laboratory Productivity Index



Conventional Database

Using **CURISDATA**

- ■ Productive activities
- ■ Non productive activities
- ■ Administrative
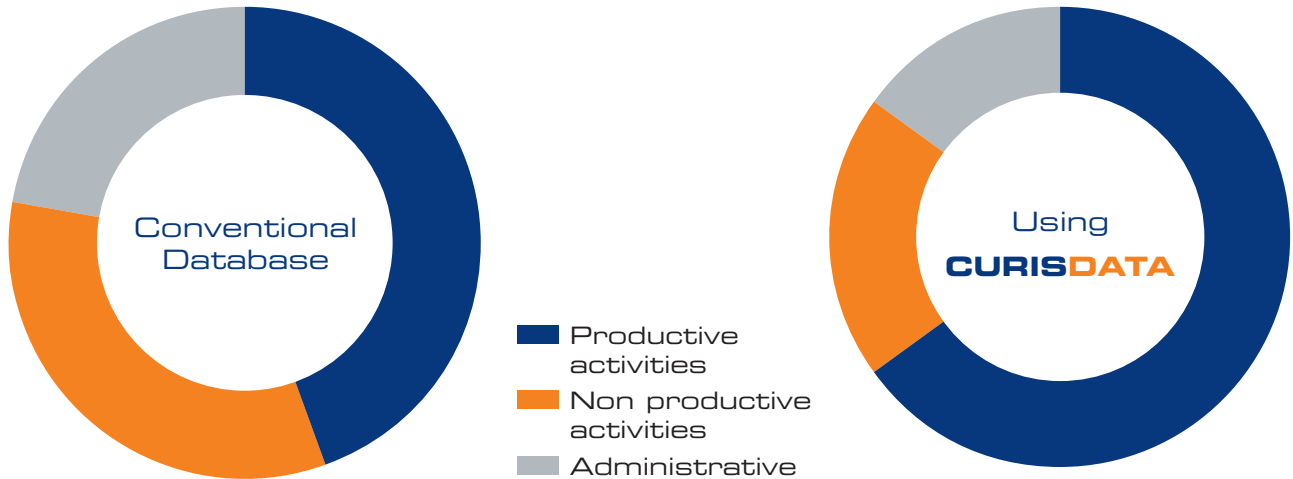
**CURISDATA** is a complete laboratory data quality management system that enables you to:

### Manage Laboratory Cost
- Increase equipment utilization
- Optimize staffing assignments
- Decrease non-scheduled equipment repairs
- Reduce redundant and re-work actions
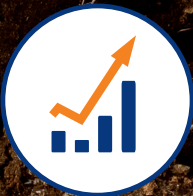
### Increase Business Unit(s) Productivity
- Increase equipment utilization
- Lower administrative time requirements

### Demonstrate Quality Management Systems
- ISO/API quality process adherence
- Health, safety and environmental standards
- Personnel certification and training
- Data monitoring, mining and reporting

**CURISTEC is a privately-owned industry recognized technology company**, specializing in oil & gas geomechanics, wellbore integrity, cement integrity, materials testing, engineering software and consulting services.

With engineers in France, Vietnam, Americas, and Abu Dhabi (CurisCotta), CURISTEC is globally positioned to deliver solutions based on an integration of science, engineering and field experience for your projects. **The quality of the service is the same independently from where it is provided.**

CURISTEC's dedicated materials testing laboratory in France and Abu Dhabi (2016), can easily and quickly test **the properties of your formations and cements**.

CURISTEC creates leading edge user friendly **software applications based on the latest sciences and technologies** with CurisIT developers located in Spain and China.

# CURISDATA is a complete data quality management system that helps you manage your cement lab

CURISDATA is a complete web-compliant **Data Quality Management System** for your cement laboratories. Its key features enable you to increase your laboratory productive activities and helps you manage toward API QM2 or ISO 9001 quality specifications.

CURISDATA's project management tools, cement slurry calculators, chemical library, and risk analysis features help reduce non-productive testing due to cement test design errors.

CURISDATA helps reduce the time required for non-testing and administrative activities such as documentation requirements for: equipment maintenance / calibration records, staff training and certifications, quality process adherence, chemical compliance and inventory management.

CURISDATA's single server data storage platform provides a cost efficient secure way to capture, archive and access laboratory data from multiple locations. This enables you to reduce the amount of redundant and re-work testing.

## System requirements

### Server
- Tomcat 7.x or higher
- DB Oracle 9.x or Postgre 9.x or higher
- 2GB of RAM
- Java™ 7 Virtual Machine or higher

### Web client
- Firefox 5.x+ or
- Chrome 10.x+ or
- IExplorer 10.x+

### iPad client
- iOS 7.1 or higher

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Rhône-Alpes Région RA

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