

Kerala State Textiles Corporation Ltd, KSTC

Kriti LIMS Textiles Version

INDUSTRY:

Textiles

LOCATION:

Trivandrum

DATABASE:

MS SQL

Kriti LIMS:

Kriti LIMS Version 2

Background

Kerala State Textile Corporation Ltd., (KSTC) is a Government of Kerala Undertaking. The Corporation was incorporated in the year 1972 with the main objective of setting up of / or running textile mills in the state. The Corporation has four mills and one Research & testing centre. Two other units, Sitaram Textiles and Trivandrum Spinning Mills Limited are now vested under the administrative control of Kerala State Textile Corporation Ltd

Challenges

The Research and Testing Center at the KSTC Technical Center in KSTC Center, needed a modern LIMS to meet the total workflow and Process automation of the Laboratory operations. They were looking for a standard application software for running at the laboratory that consumes minimum hardware, software and manpower resources. The solution must be flexible enough to meet the diverse needs of the testing laboratories. The solution must have the facility to interface with Microsoft Office Tools for administrative convenience.

The solution must be implemented on a Peer to Peer network at the initial phase and has to be upgraded to LAN subsequently. The solution must be implemented within 60 to 90 Days.

System Sought

The Research and Testing Center processes a large number of samples of Cotton, Yarn, Fibre and Fabrics. The LIMS needed to be robust enough to handle the large sample load, and require little maintenance from the Laboratory staff resources.

The total Laboratory Process to be workflow driven, easily configurable and manageable. The solution must be interfaced to transform the LIMS data to MS Excel and MS Word.

System Selected

Several companies made presentations, and Kriti LIMS was selected after following the Government Tender Process and a test run of the software in the Analytical Laboratory .The selection was based on the developmental capabilities of the LIMS, and the inherent extensibility of Kriti LIMS, which would allow for implementation of the proprietary analysis package.

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System Delivered

The Kriti LIMS went live in July 2005, with the total workflow management of the Research and Training Center.

The system currently processing 15,000 samples per year, yielding in excess of 1,50,000 determinations on these samples. This is the result of more than 12,000 internal jobs at one site.:

Key Benefits

Once the LIMS was implemented, the staff experienced and appreciated the flexibility of Kriti LIMS as a multi-faceted laboratory development tool. Since the initial successful implementation, in fact, KSTC Research and Training Center has implemented the total functionality of the Laboratory through LIMS. They include:

A Business Metric and Sample Tracking System, which is not typically a LIMS function

A Non Conformance Reports Database used to track products or processes which do not meet conformance requirements.

The Delivery of Test Reports in Electronic Format further reduced the distribution cost and time.

The integrated LIMS had given the benefit of Sample Tracking, Work Allocation, Report Printing, Invoice Printing, Revenue Accounting and all other functions from the solution that has saved substantial Time and Effort of Laboratory Managers, Scientist and Customers.