

CASE STUDY: MIS Solutions

Bangladesh, Department of Cooperatives, Directorate of Textiles

CNS has extensive experience in delivering Management Information System (MIS) solutions for governmental, semi-governmental and commercial partners. The MIS solutions developed by CNS incorporate innovative software and hardware technologies to support organizational decision making and coordination.

Our History in MIS Technology

CNS – on behalf of the Bangladesh Department of Cooperatives – developed and implemented a Management Information System between March 2012 and February 2015. As part of this project, CNS’ engineers created a new MIS solution for the Department of Cooperatives that covered their facilities, staff, and infrastructure across all 64 districts of Bangladesh. Six years on from the end of the implementation period, CNS is still providing maintenance services for the Department of Cooperatives’ Management Information Systems.

Between January 2016 and June 2018, CNS undertook a similar contract to overhaul the MIS of the Bangladesh Directorate of Textiles. The online application management system developed by CNS was multipurpose and served several roles including as payment, management, and web platform.

Operator Benefits

For the Department of Cooperatives, CNS reimagined and modernized their digital platforms. Previously, the Department of Cooperatives used a legacy website developed with HTML languages. Whilst functional, this platform did not meet growing customer requirements for more interactive, accessible digital content. CNS developed a new web-facing portal for the Department of Cooperatives’ customers to provide users with easier document downloads, interactive digital kiosks, and informational presentations. The MIS solution created for the Department of Cooperatives is still operated and maintained by CNS and serves at the Department's primary external portal.

Similarly, CNS developed a Management Information System for the Directorate of Textiles. The Directorate of Textiles required a MIS that allowed their client's unhindered access to their services online. CNS expanded on this brief to deliver a comprehensive, intuitive, and easy-to-use system. As part of the project, CNS' engineers created mobile responsive interfaces, role-based access management and online payment gateways for the Directorate of Textiles. The MIS is SEO enabled to enhance accessibility and can generate regular system reports for the Directorate of Textiles.

These two systems exemplify the diversity, ingenuity, and effectiveness of CNS' MIS solutions.

CNS Technology

The Management Information Systems created by CNS are innovative and bespoke solutions that reimagine corporate information technology. CNS’ Management Information Systems are a complete package that amalgamate several IT functions into a single, definitive system.

CNS developed a completely new system for the Department of Cooperatives. As part of this, the Department’s existing CBMIS software was overhauled with new hardware and network

support being set up by CNS' engineers. The new system was built using Oracle RDBMS and implemented on n-Tier architecture ensuring OLTP (Online Transaction Processing) and a high availability of data at the terminal ends. The new online software operates in all the 64 districts of Bangladesh. CNS also provided to the maintenance and data entry staff to carry out the day-to-day operations using the new system.

The Directorate of Textiles required an MIS with a broader scope. Therefore, CNS developed a range of e-Service applications with online payment methods through a new, online payment gateway. The gateway was integrated with major card processors such as banks, digital wallets, and VISA/DEBIT cards. Furthermore, CNS created A web portal as a delivery platform for online services provided by the Directorate. The system can automatically generate SMS and email notifications, oversee electronic registration, and import data from different databases. CNS also created and maintained a bilingual version of the MIS in English and Bengali which complies with internationally accredited web and security standards. Design is a vital element of any outward facing MIS. Therefore, the system boasts a consistent color scheme, imagery, quantity, and friendly typography. Overall, the Directorate of Textiles MIS developed by CNS is a friendly, effective, and accessible content management system.