

### **1. STBL solution for Financial Sector :**

Smart Technologies BD Ltd (STBL) is indeed the largest enterprise solution company in Bangladesh, offering a comprehensive range of technology solutions specifically tailored for the financial sector. STBL partners with world-renowned brands to provide state-of-the-art solutions that cater to the diverse needs of financial institutions. Let's explore in detail the solutions STBL offers, along with the brand names associated with each solution:

#### ***Core Banking System:***

STBL offers a robust core banking system that enables financial institutions to manage their operations efficiently. This solution is provided in partnership with Oracle, a globally recognized brand in the technology industry. With Oracle's advanced technology, STBL ensures that banks can streamline their account management, transaction processing, and customer relationship management while providing a seamless banking experience.

#### ***Fraud Detection and Prevention:***

To safeguard financial institutions against fraudulent activities, STBL offers cutting-edge fraud detection and prevention solutions. This solution is offered in collaboration with SAS, a renowned brand known for its expertise in analytics and artificial intelligence. SAS's advanced analytics capabilities enable STBL to provide fraud detection and prevention systems that proactively identify suspicious activities, minimizing the risk of financial loss and maintaining the integrity of the institution.

#### ***Security and Compliance:***

In partnership with IBM, a global leader in technology solutions, STBL offers security and compliance solutions tailored for the financial sector. IBM's comprehensive range of security solutions helps financial institutions enhance their cybersecurity measures, ensuring the protection of sensitive customer data. Additionally, IBM's compliance solutions aid in meeting regulatory requirements and maintaining adherence to industry standards.

#### ***Risk Management:***

STBL recognizes the significance of effective risk management in the financial sector. To address this critical aspect, STBL partners with various brands to offer risk management solutions. These solutions include tools for credit risk assessment, operational risk management, and market risk analysis, among others. Brands associated with STBL's risk management solutions include Oracle, SAS, and IBM, ensuring a comprehensive approach to risk management.

#### ***Customer Analytics:***

Understanding customer behavior and preferences is crucial for financial institutions to provide personalized services and improve customer experiences. STBL, in collaboration with IBM, offers customer analytics solutions that leverage advanced technologies to gather and analyze customer data. These

solutions enable banks to gain valuable insights into customer behavior, enabling targeted marketing campaigns and personalized offerings that meet their customers' evolving needs.

#### ***Digital Transformation:***

Keeping pace with the digital revolution is vital for financial institutions to remain competitive. STBL assists financial institutions in their digital transformation journey, offering solutions that enable seamless integration of digital channels, mobile banking platforms, and innovative customer engagement strategies. With partnerships with brands like Oracle and IBM, STBL provides the technology and expertise needed to drive digital transformation successfully.

## **2. STBL solution for Education Sector :**

#### ***Learning Management Systems (LMS):***

LMS platforms, such as Moodle, Blackboard, or Canvas, provide a centralized platform for educational institutions to manage and deliver online courses, track student progress, and facilitate communication between students and instructors.

#### ***Virtual Classroom Solutions:***

Virtual classroom solutions, such as Zoom, Microsoft Teams, or Google Meet, enable remote learning by providing live video conferencing, screen sharing, and interactive features to facilitate real-time teaching and learning experiences.

#### ***Content Creation and Publishing Tools:***

Companies may offer content creation and publishing tools, like Articulate Storyline or Adobe Captivate, that allow educators to develop multimedia-rich, interactive content, including e-books, videos, and simulations, to enhance student engagement and learning outcomes.

#### ***Assessment and Testing Systems:***

Assessment and testing systems, such as ExamSoft or ProProfs, provide online platforms for creating and administering quizzes, exams, and assignments. These tools often include features such as automated grading and data analytics to monitor student performance.

#### ***Learning Analytics and Data Management:***

Learning analytics and data management solutions like Brightspace Analytics or Edumetrix, help educational institutions gather, analyze, and interpret student data to gain insights into their learning progress, improve teaching methods, and make data-driven decisions.

#### ***Virtual Reality (VR) and Augmented Reality (AR) Tools:***

Some educational technology providers offer VR and AR tools, like Nearpod or zSpace, which enable immersive and interactive learning experiences by simulating real-world scenarios, enhancing student engagement and understanding in subjects like science, history, or medicine.

### ***3. STBL solution for Government Sector:***

Smart Technologies BD Ltd (STBL), being the largest enterprise solution company in Bangladesh, offers a wide range of technology solutions tailored for the government sector. These solutions are developed in collaboration with renowned brands and aim at improving efficiency, security, and transparency in government operations. Let's explore some of the solutions STBL offers, along with their associated brand names:

#### ***Enterprise Resource Planning (ERP) Systems:***

STBL partners with Oracle to provide ERP systems specifically designed for the government sector. Oracle's enterprise-grade solutions enable efficient management of government resources, including finance, procurement, human resources, and asset management, ensuring streamlined operations and effective utilization of resources.

#### ***E-Governance and Citizen Service Portals:***

STBL offers e-governance and citizen service portals that facilitate digital interactions between the government and citizens. These portals, developed in collaboration with companies like Microsoft or IBM, enable easy and secure access to government services, such as online tax filing, public service registration, or citizen feedback, improving service delivery and citizen satisfaction.

#### ***Document Management Systems:***

For efficient and secure management of government documents and records, STBL offers document management systems in partnership with brands like OpenText or Alfresco. These systems incorporate features like document version control, access control, and searchability, ensuring proper management, retrieval, and archiving of important government documents.

#### ***Data Analytics and Business Intelligence:***

Partnering with brands such as SAS or Tableau, STBL provides data analytics and business intelligence solutions that assist government agencies in making data-driven decisions. These solutions allow agencies to collect, analyze, and visualize data to identify trends, improve operational efficiency, and enhance policy-making processes.

#### ***Cybersecurity Solutions:***

Recognizing the importance of data security and privacy, STBL collaborates with leading cybersecurity brands like Palo Alto Networks or Symantec. These partnerships allow STBL to offer robust cybersecurity solutions, including firewalls, intrusion detection and prevention systems, data

encryption, and vulnerability assessment tools, ensuring the protection of government systems and sensitive data.

#### *Smart City Solutions:*

As governments strive to create smart and sustainable cities, STBL partners with companies like Cisco or Siemens to offer smart city solutions. These solutions encompass various aspects, including smart infrastructure, traffic management, energy management, public safety, and environmental monitoring, enabling governments to create modern, connected, and sustainable urban environments.

#### **4. STBL Solution for Telecom Sector :**

Smart Technologies BD Ltd (STBL), being the largest enterprise solution company in Bangladesh, offers a comprehensive range of technology solutions specifically tailored for the telecommunication sector. STBL partners with world-renowned brands to provide cutting-edge solutions that enhance the efficiency, reliability, and customer experience of telecommunication companies. Let's explore some of the solutions STBL offers, along with their associated brand names:

#### *Customer Relationship Management (CRM) Systems:*

Partnering with Salesforce or Microsoft Dynamics, STBL offers CRM systems that enable telecommunication companies to effectively manage their customer interactions and relationships. These solutions provide a centralized platform for customer data, lead management, sales tracking, and customer support, facilitating personalized and seamless customer experiences.

#### *Billing and Revenue Management:*

To streamline billing processes and revenue management, STBL collaborates with brands like Amdocs or Oracle. These solutions provide end-to-end billing capabilities, including tariff management, invoicing, payment processing, and revenue assurance, ensuring accurate billing and efficient revenue collection.

#### *Network Monitoring and Performance Management:*

To optimize network performance and ensure high-quality service delivery, STBL offers network monitoring and performance management solutions in partnership with brands like Nokia or Ericsson. These solutions enable monitoring of network health, identifying performance bottlenecks, and proactively resolving network issues to maintain a reliable and seamless communication network.

#### *Digital Transformation and Network Modernization:*

In collaboration with brands such as Huawei or Cisco, STBL supports telecommunication companies in their digital transformation journey by offering solutions for network modernization and infrastructure development. These solutions include technologies like IP telephony, cloud communication platforms, software-defined networking (SDN), and network function virtualization (NFV), enabling telecommunication companies to embrace emerging technologies and deliver innovative services.

#### *Customer Experience Management:*

With the goal of enhancing customer satisfaction, STBL partners with brands like Genesys or Adobe Experience Cloud to offer customer experience management solutions. These solutions enable telecommunication companies to deliver personalized and contextual experiences across various touchpoints, including mobile apps, websites, contact centers, and social media platforms.

#### ***Mobile VAS (Value-Added Services):***

To enable telecommunication companies to offer additional services and enhance revenue streams, STBL collaborates with brands like Comviva or Optiva to provide mobile VAS solutions. These solutions include services like SMS-based alerts, content subscription services, mobile payments, and mobile advertising, allowing telecommunication companies to engage customers and increase monetization opportunities.

#### ***5. STBL product and solution for Hospitality Sector :***

Smart Technologies BD Ltd (STBL) is indeed the largest enterprise solution company in Bangladesh, offering comprehensive technology solutions for various sectors, including the hospitality industry. STBL has partnered with several renowned brands to provide the best-in-class solutions for hotels, restaurants, and other businesses in the hospitality sector. Here are some of the solutions that STBL offers in the hospitality sector:

#### ***Property Management System (PMS):***

STBL offers a state-of-the-art PMS software that automates essential operations like reservations, check-ins, check-outs, and guest profiles. This solution helps hotels manage their daily operations efficiently and improve guest satisfaction. One of the well-known PMS software provided by STBL is Opera, developed by Oracle Hospitality.

#### ***Point of Sale (POS) Systems:***

STBL provides advanced POS systems for hospitality businesses. These systems streamline the ordering and payment processes, manage inventory, and generate reports for sales analysis. Some popular POS systems offered by STBL include Micros, developed by Oracle Hospitality, and Tally.ERP 9, developed by Tally Solutions.

#### ***Customer Relationship Management (CRM):***

STBL offers CRM solutions specifically designed for the hospitality industry. These systems help hotels and restaurants effectively manage customer interactions, collect customer data, and personalize guest experiences. Salesforce, one of the leading CRM solutions globally, is available through STBL.

#### ***Revenue Management Systems:***

STBL provides revenue management systems that assist hotels in optimizing their pricing strategies and maximizing revenue. These systems analyze market data, competitor rates, and internal performance to

recommend optimal room rates. A popular revenue management solution offered by STBL is IDeaS, which helps hotels make informed pricing decisions.

#### ***Guest Internet Solutions:***

STBL offers Wi-Fi and high-speed internet solutions tailored for the hospitality sector. These solutions ensure reliable connectivity for guests, allowing them to stay connected and access various hotel services effortlessly. Some of the brands included in STBL's guest internet solutions are Ruckus Networks and Cisco.

#### ***Energy Management Systems:***

STBL provides energy management solutions that help hotels optimize energy consumption, reduce costs, and improve sustainability. These systems monitor energy usage, control HVAC systems, and provide insights for energy-saving opportunities. Brands like Honeywell and Schneider Electric are included in STBL's energy management solutions.

### ***6. STBL Solution for Energy Sector :***

Smart Technologies BD Ltd (STBL) is the largest enterprise solution company in Bangladesh that offers a full range of technology solutions for the energy sector from world-renowned brands. Some of the solutions that STBL offers in the energy sector are:

#### ***Power generation and distribution solutions:***

STBL provides solutions for power generation, transmission, and distribution using renewable and non-renewable sources. STBL partners with brands such as **Huawei**, **Eaton**, **Schneider Electric**, **ABB**, and **Cummins** to offer solar power systems, uninterruptible power supplies, power quality products, switchgear, transformers, generators, and more.

#### ***Energy management and automation solutions:***

STBL provides solutions for energy management and automation that help to optimize energy efficiency, reduce costs, and improve performance. STBL partners with brands such as **Schneider Electric**, **ABB**, and **Eaton** to offer smart meters, energy monitoring and control systems, building management systems, industrial automation systems, and more<sup>123</sup>.

#### ***Energy storage and backup solutions:***

STBL provides solutions for energy storage and backup that help to ensure reliable and continuous power supply in case of grid failures or emergencies. STBL partners with brands such as **Huawei**, **Eaton**, **Schneider Electric**, and **ABB** to offer batteries, inverters, converters, rectifiers, and more<sup>123</sup>.

## **7. STBL Solution for Health Care Sector :**

Smart Technologies BD Ltd (STBL) is the largest enterprise solution company in Bangladesh that offers a full range of technology solutions for the healthcare sector from world-renowned brands. Some of the solutions that STBL offers in the healthcare sector are:

### ***Medical equipment and devices:***

STBL provides solutions for medical equipment and devices that help to diagnose, monitor, treat, and prevent various diseases and conditions. STBL partners with brands such as Philips, GE Healthcare, Siemens Healthineers, Mindray, and Medtronic to offer ultrasound machines, X-ray machines, MRI machines, CT scanners, ECG machines, ventilators, defibrillators, infusion pumps, and more.

### ***Healthcare IT and software solutions:***

STBL provides solutions for healthcare IT and software that help to manage, store, analyze, and share medical data and information. STBL partners with brands such as Microsoft, Cisco, Huawei, Dell, and IBM to offer cloud computing, data center, network infrastructure, software, hardware, and more<sup>124</sup>.

### ***Telemedicine and digital health solutions:***

STBL provides solutions for telemedicine and digital health that help to deliver healthcare services remotely using communication technologies. STBL partners with brands such as Huawei, Cisco, Microsoft, and Zoom to offer video conferencing, online consultation, remote diagnosis, e-prescription, e-learning, and more.

## **8. STBL Solution for Garments Industry :**

Smart Technologies BD Ltd. (STBL) is a leading enterprise solution company in Bangladesh, specializing in providing comprehensive technology solutions for the garments industry. They offer a wide range of solutions from renowned brands that cater to the specific needs and requirements of the industry. Here is a detailed overview of the solutions provided by STBL and the brand names associated with each:

### ***Enterprise Resource Planning (ERP) Solution:***

STBL offers comprehensive ERP solutions that help garments manufacturers streamline their business processes, manage inventory, handle sales and purchase orders, track shipments, and monitor production. UniERP System for Garments Industry is a comprehensive ERP solution for Garment Industry developed by Unisoft Ltd. A concern Of Smart Group.

### ***Production Planning and Control:***

STBL provides production planning and control solutions that enable garments manufacturers to optimize their production processes, manage work orders efficiently, schedule production activities, and maintain accurate records.

With Assosiantion with FastReact , STBL offer comprehensive solution that empowers garments manufacturers to optimize their production processes and streamline operations effectively.

With the FastReact solution provided by STBL, garments manufacturers can benefit from the following key features:

- Production Process Optimization
- Efficient Work Order Management
- Production Activity Scheduling
- Accurate Record-Keeping
- Real-Time Dashboard and Reporting
- Collaboration and Communication

#### ***Warehouse Management System (WMS):***

STBL offers a powerful WMS solution for garments manufacturers called UniSoft Warehouse Management System. This solution is designed to optimize warehouse operations and enhance efficiency in managing inventory, stock, order fulfillment, and overall warehouse processes.

The UniSoft WMS provides the following key features and benefits:

***Inventory Tracking:*** The solution enables real-time tracking of inventory, allowing garments manufacturers to have accurate visibility of stock levels for both raw materials and finished goods. This ensures better inventory control and minimizes the risk of stockouts or excess inventory.

***Stock Management:*** UniSoft WMS facilitates efficient stock management by organizing inventory in a well-structured manner. It provides tools for categorizing products, assigning locations for storage, and implementing replenishment strategies to ensure optimized stock levels.

***Order Fulfillment:*** The solution streamlines the order fulfillment process by automating tasks such as order picking, packing, and shipping. It provides clear visibility of order status, improves order accuracy, and reduces fulfillment time.

***Warehouse Optimization:*** UniSoft WMS helps to optimize the layout and organization of the warehouse. It provides insights into the best storage locations for different products, allowing manufacturers to reduce unnecessary movement and improve overall operational efficiency.

***Real-Time Reporting and Analytics:*** The solution offers customizable, real-time reports and analytics, enabling garments manufacturers to gain valuable insights into warehouse performance. This helps in making data-driven decisions, identifying areas for improvement, and optimizing warehouse processes.

**Integration with Other Systems:** UniSoft WMS can seamlessly integrate with other business systems, such as ERP and CRM, to ensure smooth data flow across different functions and departments within the organization. This integration helps in maintaining accurate inventory data and improves overall operational efficiency.

**Supply Chain Management (SCM):** STBL offers an advanced Supply Chain Management (SCM) solution called UniSoft Supply Chain Management System that is specifically tailored to the needs of garments manufacturers. The system enables manufacturers to streamline their supply chain operations, effectively manage procurement, optimize inventory levels, track shipments, and enhance collaboration with suppliers.

Here are the key features and benefits of UniSoft Supply Chain Management System:

**Inventory Optimization:** The system provides powerful inventory management capabilities to help manufacturers optimize their inventory levels. It allows for accurate demand forecasting, efficient stock replenishment, and effective inventory tracking to ensure optimal inventory control and avoid stockouts or excess inventory.

**Procurement Management:** UniSoft SCS simplifies the procurement process by streamlining supplier management, purchase order creation, and supplier invoice tracking. It allows manufacturers to automate and track procurement activities, ensuring timely delivery of the required materials while maintaining cost control.

**Supplier Collaboration:** The system facilitates seamless collaboration with suppliers by enabling communication, document sharing, and mutual visibility of supply chain activities. This enhances transparency, reduces lead times, and improves the overall supplier relationship management process.

**Shipment Tracking:** UniSoft SCS incorporates shipment tracking capabilities that provide real-time visibility into the movement of goods. Manufacturers can monitor shipments, track delivery status, and mitigate any potential delays or issues in the supply chain.

**Demand Planning and Forecasting:** The system offers advanced demand planning and forecasting tools that assist manufacturers in making accurate predictions of customer demand. This enables better production planning, inventory optimization, and efficient resource allocation, resulting in improved customer service levels and reduced inventory costs.

**Integration with Other Systems:** UniSoft SCS seamlessly integrates with other business systems, such as ERP and CRM, to ensure smooth data flow across various functions. This integration enables manufacturers to have a holistic view of their operations and ensures seamless coordination among different departments involved in the supply chain.

**Real-Time Analytics and Reporting:** The system provides comprehensive reporting and analytics capabilities, allowing manufacturers to gain valuable insights into supply chain performance. Real-

time data and analytics enable proactive decision-making, early identification of bottlenecks, and effective monitoring of key performance indicators.

**Customer Relationship Management (CRM):** STBL provides a comprehensive Customer Relationship Management (CRM) solution called UniSoft CRM System specifically designed for garments manufacturers. This powerful system enables effective management of customer relationships, tracking of sales activities, handling of customer inquiries, and analysis of valuable customer data.

Here are the key features and benefits of UniSoft CRM System:

**Contact Management:** The CRM system allows garments manufacturers to store and manage all customer contact details in a centralized database. It ensures easy access to customer information, enabling personalized interactions and targeted marketing efforts.

**Sales Pipeline Management:** UniSoft CRM System helps manufacturers track and manage their sales pipeline effectively. Sales opportunities, leads, and deals can be easily tracked, allowing for better sales forecasting, pipeline visibility, and accurate reporting.

**Sales Activity Tracking:** The system enables tracking of sales activities, such as emails, calls, meetings, and quotations. This helps manufacturers stay organized, ensure timely follow-ups, and improve overall sales efficiency.

**Customer Service and Support:** UniSoft CRM System provides tools for managing customer inquiries, complaints, and support requests. It allows manufacturers to track and resolve customer issues in a timely manner, leading to improved customer satisfaction and loyalty.

**Marketing Campaigns:** The CRM system supports marketing campaigns by facilitating the management of customer lists, email campaigns, and tracking campaign effectiveness. Manufacturers can create targeted marketing campaigns, track responses, and measure campaign ROI.

**Analytics and Reporting:** UniSoft CRM System offers robust analytics and reporting capabilities. It provides valuable insights into customer behavior, sales performance, and marketing effectiveness. Customizable reports and dashboards enable data-driven decision-making and better understanding of customer preferences.

**Integration with Other Systems:** The UniSoft CRM System seamlessly integrates with other business systems, enabling data synchronization for a unified view of customer information. This integration avoids data duplication, enhances collaboration, and streamlines processes across departments.

**Product Lifecycle Management (PLM):** Product Lifecycle Management (PLM) solutions offered by STBL help garments manufacturers streamline and optimize the entire product development and management process. These solutions assist in managing all stages of the product lifecycle, from design and development to production and

distribution. The two brands associated with the PLM solutions provided by STBL are Lectra Fashion PLM and Gerber Technology.

**Lectra Fashion PLM:** Lectra is a renowned brand in the fashion and apparel industry, offering cutting-edge technology solutions for design, development, and production. Lectra Fashion PLM is a comprehensive PLM solution that allows garments manufacturers to manage their product lifecycle from concept to consumer. It provides a centralized platform for collaboration, data sharing, and seamless communication between different teams and departments involved in the product development process.

Key features of Lectra Fashion PLM include:

- **Design and Development:** Enables designers to create and manage design concepts, sketches, and technical specifications. Streamlines the development process by facilitating collaboration between design, pattern-making, and sample development teams.
- **Material and Color Management:** Helps manage and track materials and colors used in the product development process. Ensures consistency and accuracy in selecting and sourcing materials.
- **Technical Specifications and Sample Management:** Facilitates the creation of technical specifications for garments and manages the sampling process. Allows easy tracking and review of samples, ensuring they meet the required standards.
- **Production Planning and Tracking:** Assists in planning and tracking production processes, including cut planning, fabric utilization, and tracking of production targets. Provides real-time visibility into the production progress.
- **Collaboration and Communication:** Enables seamless collaboration and communication between internal teams, external suppliers, and stakeholders throughout the product development process.

**Gerber Technology:** Gerber Technology is a global leader in providing technology solutions for the fashion and apparel industry. Their PLM solution helps garments manufacturers streamline their product development processes, improve efficiency, and reduce time to market. Gerber's PLM solution assists in end-to-end management of the product lifecycle, from concept to consumer.

Key features of Gerber Technology PLM include:

- **Design and Development:** Provides tools for designers to create and manage design concepts, technical specs, and product variants. Streamlines collaboration between design, pattern-making, and sample development teams.
- **Bill of Materials (BOM) Management:** Manages the BOM and ensures accurate sourcing and tracking of materials for each product. Assists in cost estimation and minimizes errors.
- **Sample and Prototype Management:** Helps manage the sampling process, including sample requests, tracking, and approval. Streamlines the communication between designers and sample makers.
- **Production Planning and Tracking:** Facilitates production planning, including cut planning, fabric utilization, and production tracking. Provides real-time visibility into production status and progress.

- **Collaboration and Communication:** Enables seamless collaboration and communication between different teams and stakeholders involved in the product development process, both internally and externally.

Both Lectra Fashion PLM and Gerber Technology PLM solutions offered by STBL help garments manufacturers enhance collaboration, improve efficiency, reduce time to market, and ensure product success throughout the entire lifecycle.

**Quality Management System (QMS):** STBL provides Quality Management System (QMS) solutions to help garments manufacturers maintain and improve product quality, track quality issues, perform inspections, and manage quality control processes. The two brands associated with the QMS solutions offered by STBL are Intertek and Bureau Veritas.

**Intertek:** Intertek is a globally recognized leader in quality assurance and testing services. Their QMS solutions assist garments manufacturers in implementing effective quality control processes throughout the product lifecycle.

Key features of Intertek QMS solutions include:

- **Quality Control Planning:** Helps garments manufacturers develop comprehensive quality control plans based on industry standards and customer requirements. It defines quality control checkpoints, inspection criteria, and sampling plans.
- **Inspection Management:** Supports the management and scheduling of inspections conducted during various stages of the production process. It includes pre-production, in-process, and final inspections to ensure compliance with quality standards.
- **Non-Conformance Report (NCR) Management:** Facilitates the recording, tracking, and resolution of non-conformances identified during inspections or quality control processes. It helps in identifying root causes, implementing corrective actions, and monitoring their effectiveness.
- **Supplier Quality Management:** Enables garments manufacturers to monitor and manage the quality performance of their suppliers. It includes assessing supplier capabilities, conducting supplier audits, and establishing supplier performance metrics.
- **Data Analysis and Reporting:** Provides tools and dashboards for analyzing quality control data, identifying trends, and generating reports. It helps in identifying areas for improvement and making informed decisions.

**Bureau Veritas:** Bureau Veritas is a leading provider of testing, inspection, and certification services worldwide. Their QMS solutions help garments manufacturers implement robust quality control processes and ensure compliance with industry standards and regulations.

Key features of Bureau Veritas QMS solutions include:

- **Quality Control Processes:** Assists garments manufacturers in defining and implementing quality control processes tailored to their specific needs. It includes quality planning, inspection protocols, and quality control checklists.

- **Inspection and Testing Services:** Offers a wide range of inspection and testing services to assess product quality and compliance with safety and regulatory standards. Inspections can be conducted at different stages of the production process and cover all aspects of product quality.
- **Documentation and Certification:** Helps garments manufacturers in documenting quality control processes, establishing standard operating procedures, and obtaining certifications to demonstrate compliance with international quality standards.
- **Supplier Audits and Performance Management:** Conducts supplier audits to evaluate their quality control practices and capabilities. It supports ongoing supplier performance monitoring and improvement.
- **Training and Consultancy:** Provides training and consulting services to enhance the knowledge and skills of garments manufacturers' quality control teams. It helps in building a culture of quality and continuous improvement.

**Machine Monitoring and Maintenance:** STBL offers machine monitoring and maintenance solutions to the garments industry, helping manufacturers optimize machine performance, schedule preventive maintenance, and minimize downtime. The two brands associated with these solutions are Schneider Electric and Siemens.

**Schneider Electric:** Schneider Electric is a global leader in energy management and automation solutions. Their machine monitoring and maintenance solutions provide real-time visibility into machine performance and enable effective maintenance planning.

Key features of Schneider Electric machine monitoring and maintenance solutions include:

- **Real-time Machine Monitoring:** Collects data from machines in real-time, monitoring key performance indicators (KPIs) such as productivity, efficiency, energy consumption, and maintenance requirements. It provides real-time alerts and notifications for abnormalities or issues.
- **Performance Analytics:** Offers advanced analytics capabilities to analyze machine data, identify trends, and uncover insights for improving machine performance. It helps in optimizing production processes and identifying areas for improvement.
- **Predictive Maintenance:** Utilizes machine data and predictive analytics algorithms to identify potential machine failures or maintenance needs in advance. It enables manufacturers to schedule preventive maintenance, avoid unplanned downtime, and reduce maintenance costs.
- **Remote Monitoring and Control:** Provides remote access to machine data, allowing operators and maintenance personnel to monitor and control machines from a centralized interface. It enables quick response to issues and remote troubleshooting.
- **Integration with Other Systems:** Schneider Electric solutions integrate with other systems such as Enterprise Resource Planning (ERP) and Maintenance Management Systems (MMS), enabling seamless data exchange and providing a holistic view of machine performance and maintenance.

**Siemens:** Siemens is a leading provider of industrial automation and digitalization solutions. Their machine monitoring and maintenance solutions enable garments manufacturers to optimize machine performance and schedule maintenance activities effectively.

Key features of Siemens machine monitoring and maintenance solutions include:

- **Machine Connectivity:** Enables connectivity with machines and equipment through protocols such as OPC UA or Modbus. It collects real-time data from machines and sensors to monitor performance and status.
- **Condition Monitoring:** Utilizes sensors to measure and collect data on machine parameters, such as vibration, temperature, and energy consumption. It helps in detecting anomalies or signs of impending failures for proactive maintenance planning.
- **Predictive Analytics:** Applies advanced analytics algorithms to machine data to identify patterns and anomalies, providing insights into machine performance and predicting maintenance needs. It aids in scheduling preventive maintenance and avoiding unexpected downtime.
- **Maintenance Planning and Scheduling:** Offers tools for planning and scheduling maintenance activities based on machine conditions, production schedules, and resource availability. It optimizes maintenance schedules and minimizes disruption to production.
- **Remote Access and Diagnostics:** Allows remote access to machine data and diagnostics, enabling operators and maintenance personnel to monitor and troubleshoot machines remotely. It speeds up issue resolution and reduces maintenance costs.

Both Schneider Electric and Siemens machine monitoring and maintenance solutions offered by STBL help garments manufacturers optimize machine performance, reduce downtime, improve maintenance efficiency, and enhance overall operational productivity. These solutions enable proactive maintenance planning, increased equipment reliability, and reduced maintenance costs.

**RFID and Barcode Solutions:** STBL provides RFID and barcode solutions to the garments industry, enabling manufacturers to automate inventory tracking, enhance supply chain visibility, and improve accuracy in order fulfillment and stock management. The two brands associated with these solutions are Zebra Technologies and Honeywell.

**Zebra Technologies:** Zebra Technologies is a global leader in providing innovative barcode and RFID solutions for various industries, including the garments industry. Their solutions help in automating data capture processes and improving operational efficiency.

Key features of Zebra Technologies RFID and barcode solutions include:

- **RFID and Barcode Scanners:** Offers a wide range of RFID and barcode scanners that enable quick and accurate data capture. These scanners can read various types of barcodes and RFID tags, ensuring efficient inventory tracking and order fulfillment.
- **RFID and Barcode Printers:** Provides printers that allow garments manufacturers to print high-quality RFID labels and barcode labels. These printers support easy integration into existing systems and enable on-demand label printing.

- **RFID and Barcode Readers:** Offers handheld RFID and barcode readers that provide real-time visibility into inventory. These readers allow quick and accurate scanning of products, reducing manual errors and ensuring accurate stock management.
- **Asset Tracking:** Enables garments manufacturers to track and manage their assets using RFID technology. It helps in identifying the location and status of assets, such as equipment, tools, or garment samples.
- **Supply Chain Visibility:** Provides solutions that enhance supply chain visibility by leveraging RFID technology. It enables manufacturers to track the movement of products and materials throughout the supply chain, improving traceability and ensuring timely delivery.

**Honeywell:** Honeywell is a leading provider of automation and data capture solutions, including RFID and barcode solutions. Their solutions assist garments manufacturers in streamlining operations, reducing errors, and improving overall efficiency.

Key features of Honeywell RFID and barcode solutions include:

- **Mobile Computers:** Offers rugged mobile computers that combine barcode scanning and RFID capabilities. These devices help in capturing data on the go, allowing seamless inventory tracking and order processing.
- **RFID Tags and Labels:** Provides a range of RFID tags and labels that can be easily attached to garments, enabling accurate and efficient inventory management. These tags can be read using RFID readers, ensuring real-time visibility into stock levels.
- **Barcode Scanners:** Delivers a comprehensive range of barcode scanners, including handheld and hands-free options. These scanners ensure fast and accurate barcode scanning, improving the speed and accuracy of order fulfillment and inventory management.
- **Warehouse Management System Integration:** Integrates with Warehouse Management Systems (WMS) to streamline processes and improve data accuracy. It enables real-time tracking of inventory movements, reducing errors and delays.
- **Data Collection Software:** Offers software solutions that facilitate the collection and management of data captured through barcode and RFID technologies. It enables efficient data processing and analysis for informed decision-making.

Both Zebra Technologies and Honeywell RFID and barcode solutions provided by STBL enable garments manufacturers to automate data capture processes, improve inventory accuracy, enhance supply chain visibility, and optimize operational efficiency. These solutions help in reducing errors, minimizing manual effort, and improving overall productivity across the entire supply chain.

## 9. *STBL solution for Health care Industry :*

Smart Technologies BD Ltd. (STBL) is a prominent enterprise solution company in Bangladesh, specializing in providing comprehensive technology solutions for the healthcare industry. They offer a wide range of solutions from renowned brands that cater to the specific needs and requirements of the industry. Here is a

detailed overview of the solutions provided by STBL for the healthcare industry, along with the associated brand names:

**Electronic Health Record (EHR) System:** STBL offers solutions from brands such as Cerner, Epic Systems, and Allscripts, which provide robust EHR systems for digitizing and managing patient health records, clinical workflows, and communication among healthcare providers.

**Hospital Management System:** STBL provides solutions like Meditech, Epic Systems, and Cerner, which assist in automating and streamlining hospital administrative tasks such as patient registration, appointment scheduling, billing, and inventory management.

**Picture Archiving and Communication System (PACS):** Brands like Agfa Healthcare, McKesson, and Philips provide PACS solutions offered by STBL, which enable healthcare providers to store, retrieve, and share medical images electronically, enhancing diagnostic capabilities and reducing paperwork.

**Laboratory Information System (LIS):** STBL partners with brands such as Sunquest and Orchard Software, providing LIS solutions that automate and integrate laboratory processes, including test orders, specimen tracking, results entry, and quality control.

**Radiology Information System (RIS):** Brands like GE Healthcare and Siemens provide RIS solutions offered by STBL, facilitating the efficient management of radiology workflows, patient scheduling, image tracking, and reporting.

**Telemedicine Solutions:** STBL partners with brands like Amwell, Teladoc Health, and MDLIVE to provide telemedicine solutions that enable remote consultations, virtual visits, and remote patient monitoring, enhancing access to healthcare services and reaching underserved areas.

**Pharmacy Management System:** STBL offers solutions from brands such as McKesson, Swisslog, and Omnicell, which automate pharmacy processes, including prescription verification, inventory management, dispensing, and medication reconciliation.

**Patient Engagement Solutions:** Brands like GetWellNetwork and Pulsara provide patient engagement solutions that STBL offers, allowing patients to actively participate in their care through educational resources, remote monitoring, and communication with healthcare providers.

**Medical Device Integration:** STBL partners with brands such as Capsule Technologies, iSirona, and Nuvon to provide solutions for integrating medical devices with hospital information systems, facilitating real-time data capture and analysis.

**Health Information Exchange (HIE):** STBL offers solutions from brands like InterSystems and Orion Health, which enable the secure exchange of patient information between different healthcare organizations, promoting interoperability and continuity of care.