COMPANY PROFILE

TECHNOLOGY TRANSFER & TRAINING
FOR INNOVATION IN INDUSTRY
 Centurion Systems Limited brings vast experience in technical services, continuous professional development, research and innovation to the industrial platform with a core focus on the fields of industrial automation, motion control and manufacturing. In operation since 1989, we serve a cross-sectoral industrial platform, supporting efficiency and productivity enhancement—a proficiency strongly backed by in-house capability and strategic partnerships with key industrial stakeholders.

“CSL have provided solutions to various industrial sectors in the form of skills development, systems integration and equipment supply, repair and maintenance for almost 30 years. We understand the dynamism of balancing productivity, efficiency and innovation with profitability and return on investment, and support our clients through a range of deployment models from technical support, to training and specialist consulting. We support a variety of clients including blue-chip multinationals, private equity companies, universities and Government Departments, helping to drive increased value through technology transfer and skills training.

CSL partner with leading technology manufacturers including Mitsubishi, Siemens, Festo, Danfoss and Bosch to promote technology transfer in Kenya and maintain relevance in the ever-changing realm of technology. These partnerships enable us to obtain up-to-date and advanced technology direct from the manufacturer and continuously build internal capacity through master training directly from our partners.

Centurion Systems Limited—We transform your capabilities to sustain long-term improvements.”

KEVIT DESAI
Managing Director
Core focus areas for companies seeking to deliver infrastructure projects are time, cost, and quality; anything that can adversely affect these criteria are deemed as risks. The operating environment in African nations may reduce investor confidence due to perceived risks, while host countries view such projects as an opportunity to grow their economies with the resultant expectations and challenges for delivering on areas such as employment, procurement/contracting, equity ownership, technology transfer and research and development (R&D).

These elements are collectively termed as Local Content in the extractives industry sector and are often enshrined in legislation. This approach is becoming more common across the continent, while the drive for value-chain opportunities within infrastructure projects becomes more prevalent within other industry sectors, such as renewable energy. Due to the complexity of delivering Local Content many companies are unable to meet the challenges of mitigating above ground risks caused by unmet expectations.

We can navigate the risks of Local Content criteria both locally and nationally through clear strategy and project delivery, agreed between Infrastructure Investors, Governments and communities, to build capacity. Results for our clients are that expectations and relationships can be managed, technology transfer is achieved, systems are integrated, legislated targets are more feasible to achieve, and a social license to operate gained and maintained.

CSL Consulting work with clients to deliver unique Local Content and Capacity Building consultancy services to bridge standards gaps and provide sustainable solutions for a more efficient operating environment. We combine unique services and skill-sets to provide clients with the required strategy, framework and capabilities to deliver project results and business success.

CENTURION SYSTEMS LIMITED - WE TRANSFORM YOUR CAPABILITIES TO SUSTAIN LONG-TERM IMPROVEMENTS.
Minimum downtime and the optimum use of staff and resources are key to sustainable success in industry. CSL Technical provides clients with integrated solutions across planning, operations, modernisation, engineering, and build services for greater productivity, flexibility, and efficiency throughout the lifecycle of a process or industrial plant – reliably, globally, and around the clock.

Technical Support
Our in-depth technology, product knowledge and industry expertise across our global expert partner network ensures we possess a considerable competitive edge. We assist clients with the selection of products and systems for efficient industrial output and provide product training, application support, and configuration verification in all phases of a process life cycle and in all locations related to product safety.

Exper Consultation
Field services from CSL help save substantial time and money while also guaranteeing maximum productivity. Our engineering support offers competent assistance throughout the entire project, helping clients prepare for cost-effective and product-specific preparation for implementation as well as optimise processes such as prototype development, testing, and acceptance.

Energy & Environmental Services
We provide integrated solutions that unlock technical and organisational potential for efficient energy consumption and resource conservation. Customised services are aimed at substantially lowering the cost of energy and environmental protection and thus increasing plant efficiency and availability. Our Technical team provide support in the conceptual design and implementation of systematic solutions for energy and environmental management, enabling maximum energy efficiency and consumption. Through advanced technology and improved data transparency we make it possible to identify energy saving potential, reduce emissions, optimize production processes, and thereby significantly cut costs.

Water Services
Numerous industrial products depend on the quality of the water used in production. Water purification systems must operate reliably to ensure maximum product quality, while waste water must be recycled safely and without harming the environment. Our service portfolio includes leasing mobile water purification systems, spare parts, and consumables as well as the replacement of carbon media and operator models. With these services, CSL ensures maximum water quality and reliable water purification, which is cost-effective and in compliance with all relevant regulations.

Service Contracts
We provide a number of modular and customised Service Contract options, which are more cost-effective and efficient by reducing interfaces, speeding up response times, and unburdening company resources. Service packages include local and remote maintenance for a system or product group in automation and drive technology. Whether you need extended service periods, defined response times, or special maintenance intervals, our services are customised to meet your needs, and can be adjusted flexibly at any time and used independently of each other. The expertise of CSL specialists and the capabilities of remote maintenance will ensure reliable and fast maintenance processes throughout a process lifecycle resulting in reduced down times and increased productivity.
CSL Training provide skills training and development opportunities for the entire range of products and systems within industrial automation and drive motion, including specialist training measures for various settings and solutions with components from industry. Training is adapted to your needs: together we determine the training needs of your company and deliver a program specially tailored to your requirements and team.

Accredited under the Technical and Vocational Education and Training Authority (TVETA) and National Industrial Training Authority (NITA) as Master Trainers, we are one of the foremost operations in East Africa for delivering modern and relevant training for industry.

Practice-based training with associated exercises makes it possible to apply theoretical knowledge in an experiential way. For this reason, course participants simulate real situations on specially developed training devices. Our premier training facility is equipped with SCADA, Automation Systems and Telemetry technology and facilitates the training of various cadres of professionals and students with practical modules from basic to advanced levels in PLC, SCADA, drives technologies, pneumatics and electro-pneumatics, industrial data networks, hydraulic systems, electronic troubleshooting, robotics, power protection, GSM, instrumentation and control and calibration.

CSL has strategic partnerships with various third level institutions, including Kenyatta University, Jomo Kenyatta University of Agriculture and Technology (JKUAT), University of Nairobi, KCA University, Zetech University and 12 Technical Training Institutes across Kenya to deliver ‘train the trainer’ programmes for staff and lecturers. Our role with such clients is to further develop existing skills and ensure trainers in the higher education system are equipped with industry relevant skills and practices with the latest trends and technologies. This in turn is transferred to students resulting in graduates with skills and competencies to meet industry needs.

At a glance: CSL Course Topics
- Drive Technology
- Industrial Automation Systems
- Building Technologies
- Operator Control and Monitoring
- Process Control Systems
- Motion Control System
- CNC Automation System
- Manufacturing Execution Systems (MES)
- Safety Engineering — Safety Integrated
- SCADA
- Hydraulics
- Pneumatics