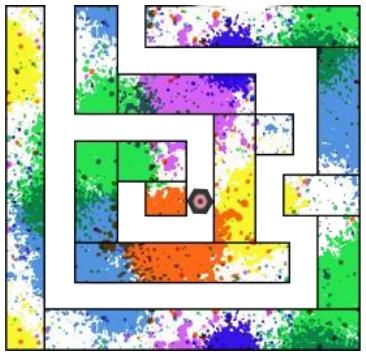
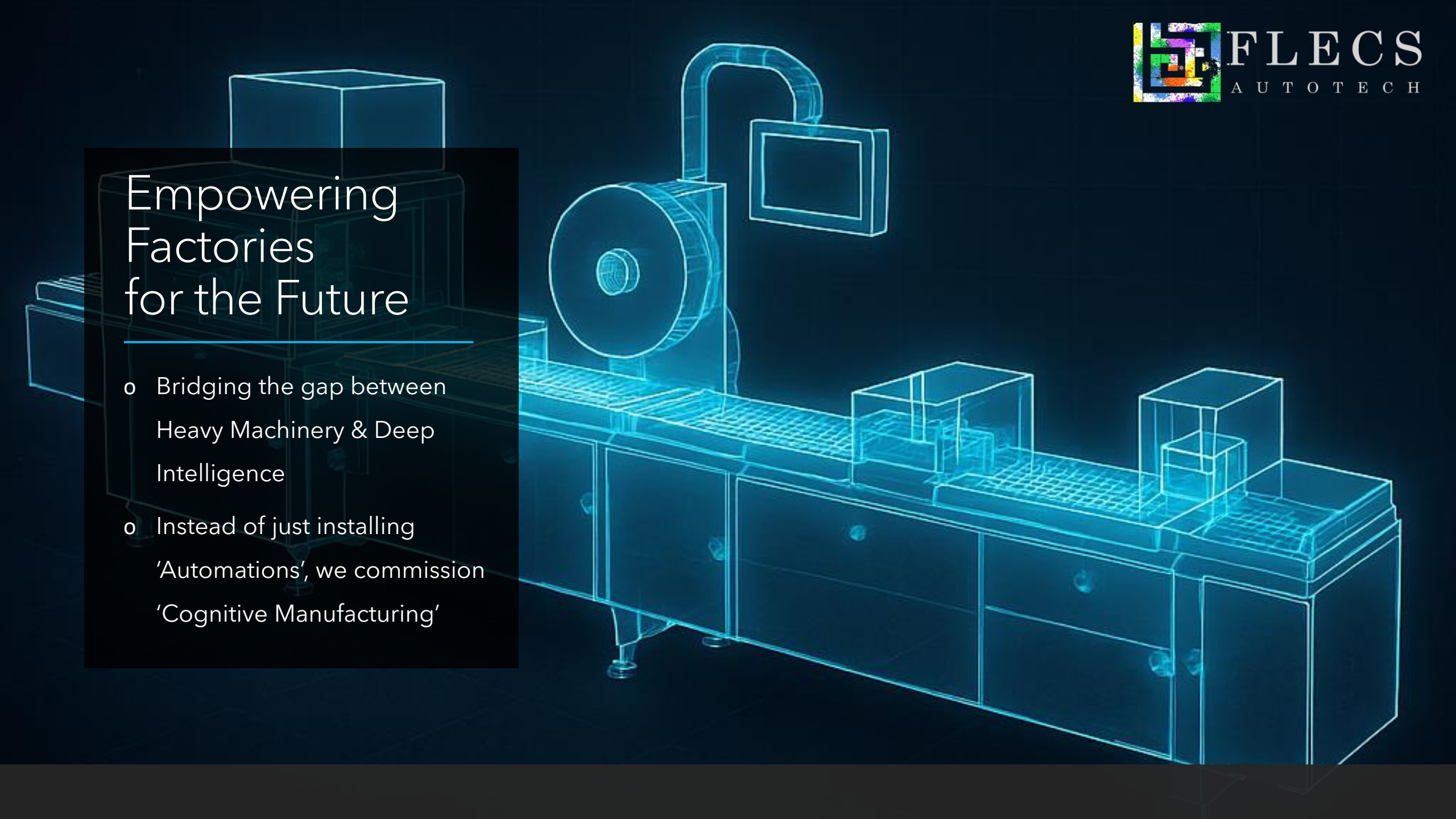


FLECS

AUTOTECH

WE SOLVE & SIMPLIFY



Empowering Factories for the Future

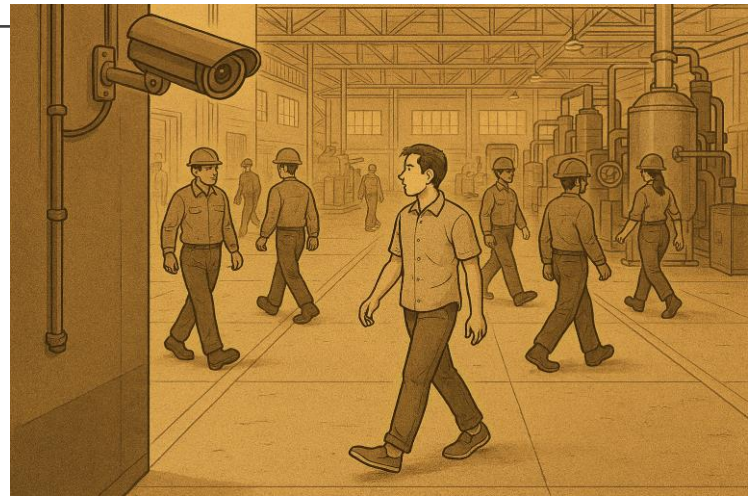
- Bridging the gap between Heavy Machinery & Deep Intelligence
- Instead of just installing ‘Automations’, we commission ‘Cognitive Manufacturing’

FLECS AUTOTECH

Status Quo – The Silent Crisis

Unpredictable breakdown can cause millions of rupees in revenue before rectification

Legacy machines are not smart, so multiple entries are manually documented



CCTV cameras only record the deviations but not prevent accidents from happening

Many factories in India are still making the best out of their legacy machines maintaining the STATUS QUO resulting in many Non-Value Added activities impacting their Productivity & Revenue

Your Factory is Talking! We help you Listen.

Our Methodology

Step 1 - Ideate

- We don’t just take orders, rather deep-dive into your bottlenecks with FLECS FITCHECK

Step 2 - Create

- Building custom hardware (SPM) and flexible SaaS to best suit your requirements

Step 3 - Eliminate

- We don't just 'improve’– we eliminate waste, downtime, and human error.

Our Verticals

FLECS AUTOTECH

Focuses on intelligent factory technologies

- AI powered solutions
- Process automation
- Digital Transformation
- Special Purpose Machinery

ValTech

Focuses on validation technologies & regulations

- Cleanroom Validation
- Process Validation
- Equipment Validation
- Regulatory Support

ValTech

Cleanroom Validation

- Maintaining a compliant cleanroom with the required environmental conditions is quintessential for Medical Device & Pharmaceutical Manufacturers.
- We offer comprehensive validation services covering all the regulations governing your cleanroom.
- Be it a new cleanroom or an expansion of your existing cleanroom, our dedicated project team will support the execution throughout all the phases till the final handover.

Process & Equipment Validation

- Reduce the Turn-Around-Time spent on creating the various validation documents by tapping into our team of interdisciplinary experts.
- The services we offer takes a holistic approach right from the creation of ECR, Validation Plan, URS, Risk Assessment, Protocols, Tests & Reports [IQ, OQ, PQ & PRQ], Traceability Matrix.
- Dedicated team for each project so that multiple projects can be managed simultaneously with ease.

ValTech

ValTech

Process Optimization

With our expert support, you can drive your projects, stay on track & be assured of an error-free completion. Our services include,

- Layout Planning & Optimisation (Production, Quality Control & Warehouse)
- Remediation of Risk Analysis(HIRA, RBA, FMEA), SOPs, Checklists
- Process Yield improvement & Cycle time reduction
- CAPA Handling & Complaints Management

ValTech

Regulatory Support

- Consulting
- Complimentary audits
- Certification Support
- AI Driven Monitoring Tools

- ISO 13485 – Medical Devices – Quality Management Systems
- ISO 14971 – Application of Risk Management to Medical Devices
- EU MDR 2017/745 – Medical Device Regulations
- EU IVDR 2017/746 – Invitro Diagnostic Device Regulations
- US FDA Regulations – 510(k), 21CFR, MDSAP
- ISO 11607 – Packaging for Terminally Sterilized Medical Devices
- ISO 45001 – Occupational Health and Safety Management Systems
- ISO 14001 – Environmental Management Systems
- ISO 14644 – Cleanrooms & Associated Controlled Environments

FLECS AUTOTECH

FMS - Our Flagship

An intelligent Factory Management System that,

- Digitizes mundane activities
- Automates monitoring
- Send alerts & warnings

- Warehouse
- Quality
- Production
- Regulatory Affairs
- NPD
- Finance
- HR

FLECS AUTOTECH

FMS Modules

Inventorize

Track the flow of all your raw material, semi-finished & finished goods

Inspectron

Inspect all your parts with the correct instrument & record results on-the-go

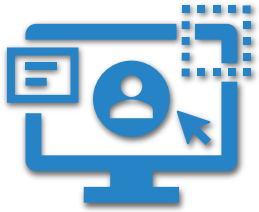
Shopfloor

Trace your WIP, Order status & Machine performance

Validator

Leverage your legacy files to automate creation of protocols, test strategy & reports

NPD

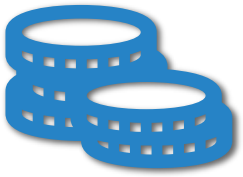


One click balloon diagram generator & automate your feasibility study reports

Procure

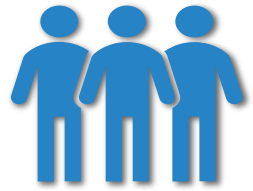
Single repository to track status of all enquiries, POs & AMCs

Accounts



Manage your cash flow, track pending payments, automate DC & Invoices

HR



Maintain attendance, payroll & manage events

Customizable to the core; No Rigid Templates; Built to ease your Workflow.

FLECS
AUTOTECH

Our Capabilities

CASE STUDIES OF NUMBER OF PROJECTS DEPLOYED ACROSS MEDICAL DEVICES & MANUFACTURING INDUSTRIES

FLECS AUTOTECH

Cleanroom Compatible SPM

Semi-automatic suture thread winding machine built using SS304 plates & 6061 Grade Aluminum profiles to prepare threads of required length for B Braun, Chengalpet, Tamil Nadu

- Automatic detection of thread presence
- Accurate measurement of dispensed length
- Automatic counting & stoppage after reaching set thread count
- Recipe selection for different thread length

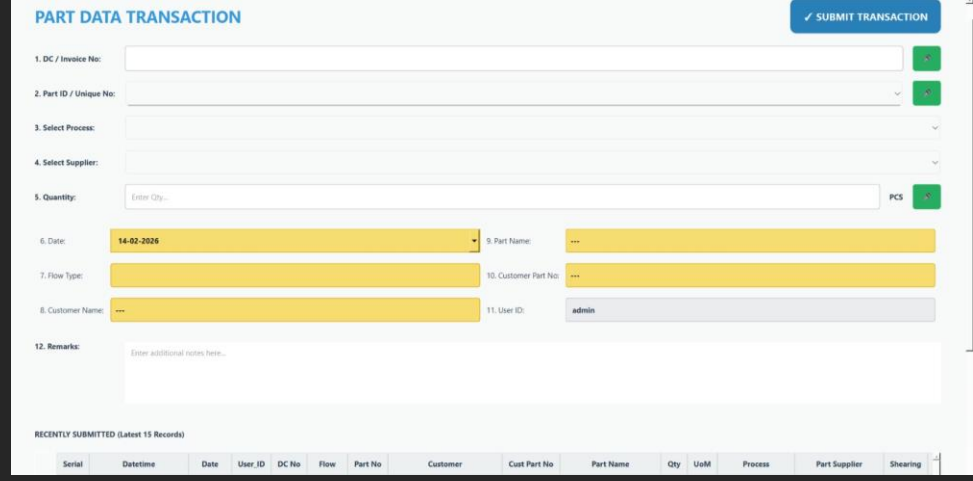
End-to-end support in equipment qualification activities – Risk assessment, IQ, OQ & PQ complaint with ISO 13485 & ISO 14971

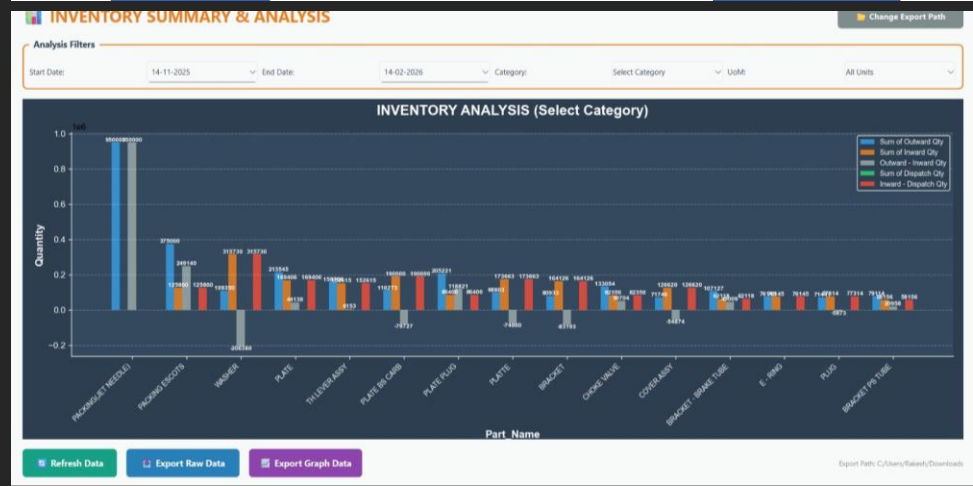
ValTech

FLECS AUTOTECH

Realtime Shopfloor Productivity Monitoring

- Replaced manual entries in production card papers with digital production cards for B Braun, Chengalpet, Tamil Nadu
- **85% overall savings** in time compared to manual entries
- Real time tracking & display of production KPIs against targets
- Time spent on data consolidation & analysis eliminated with automated report generation
- Unified dashboard for tracking machine performance & downtime



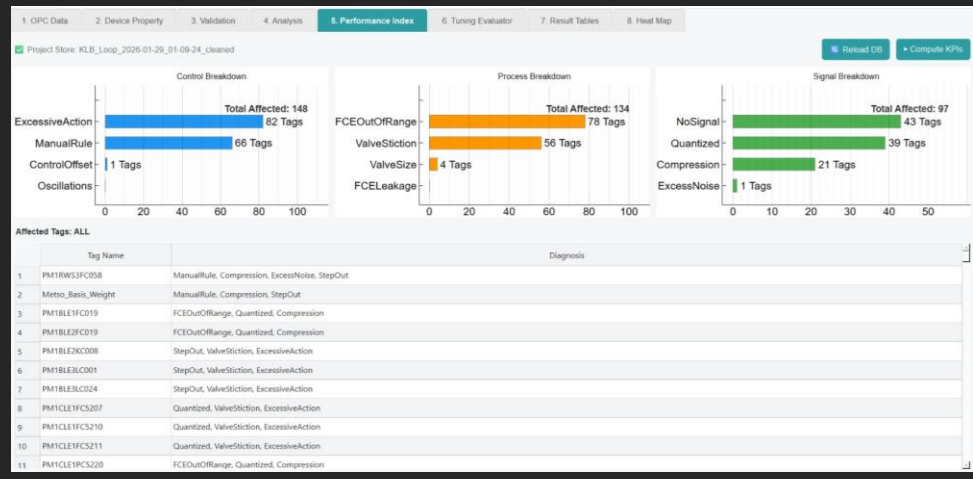


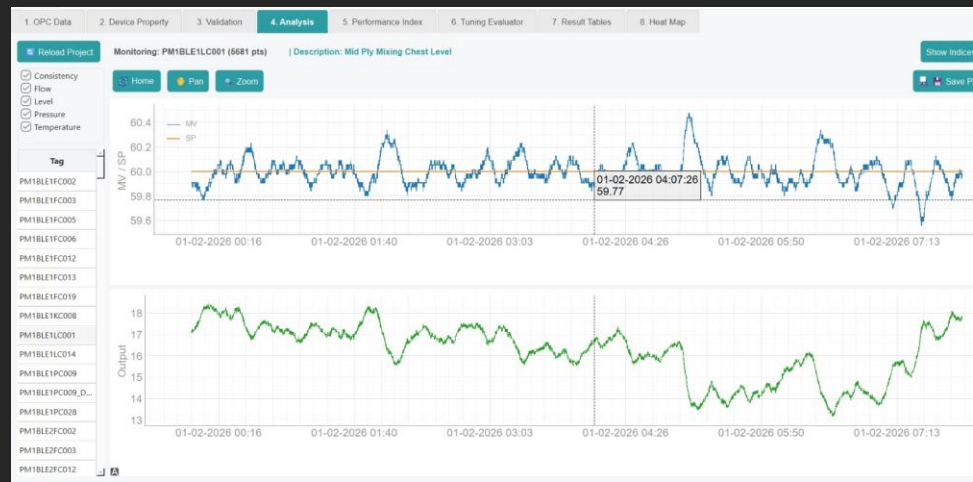
FLECS AUTOTECH

Predictive Analytics Software

With our AI powered solutions, you can drive your process performance by predicting & correcting deviations well ahead.

- **Developed Solutions:** AI driven Paper Breakage Prediction.
- **Clients:** Seshasayee Paper & Boards, Tamil Nadu, India, Neopak - South Africa
- **Impact:** Analyzes tension & moisture within seconds to predict sheet break sections before occurrence.
- **Result:** Reduction in wet-breakage & Increased throughput yield - 500tons/month





FLECS AUTOTECH

AI Surveillance

- An Intelligent Security & Safety Compliance detection application customized for factory needs.
- **Hardware Agnostic** - Can be integrated with any existing NVR/Camera system
- **Active Prevention** – Realtime alerts for unauthorized zone entry, non-compliant PPEs, unsafe work practices
- **Theft Detection –** AI patterns that recognize ‘suspicious movements’ rather than just motion

FLECS AUTOTECH

Our Talent Edge – Hustlerz.Edu

- We build the Tech & the Talent.
- Hustlerz.Edu trains the next generation of AI & Automation experts.
- This initiative elevates us from being just a vendor to an ecosystem supporting our clients with an elite team trained in AI nuances.

FLECS AUTOTECH

Our Expertise

10+ years of domain experience

ISO & Six Sigma Certified professionals

50+ Successful Projects

Handled Class II & Class III products regulatory submissions

10+ Subject Matter Experts

Extensive Support Channel

ValTech

FLECS AUTOTECH

Our Promise

Annual complimentary audit with our seasoned auditors*

100 % traceability guarantee upon continuous usage of FLECS FMS for 1 year

On-premises support during first month of deployment

24/7 resolution support

Regular premises visit every month for continuous support*

High Severity Support (Complete Functionality loss) – Same Day Response

Medium Severity Support (Limited Functionality) – 1 Business Day

Low Severity Support (Improvement & Clarifications) – 2 Business Days

*upon availing FLECS Annual Plan

FLECS AUTOTECH

Our Footprint

DEPL

Seshasayee Paper and Boards Limited

PTIPID CONSULTING

JK MEDICAL SYSTEMS PVT LTD

Nano Tech

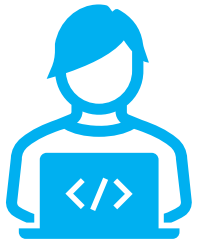
B BRAUN SHARING EXPERTISE

FLECS AUTOTECH

Why FLECS AUTOTECH?

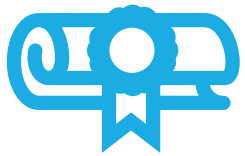
FLEXIBILE SOLUTIONS

SaaS that fits your budget & scales to Enterprise needs



SPECIALIZATION

Proven expertise in Medical devices, Manufacturing & Process Industries

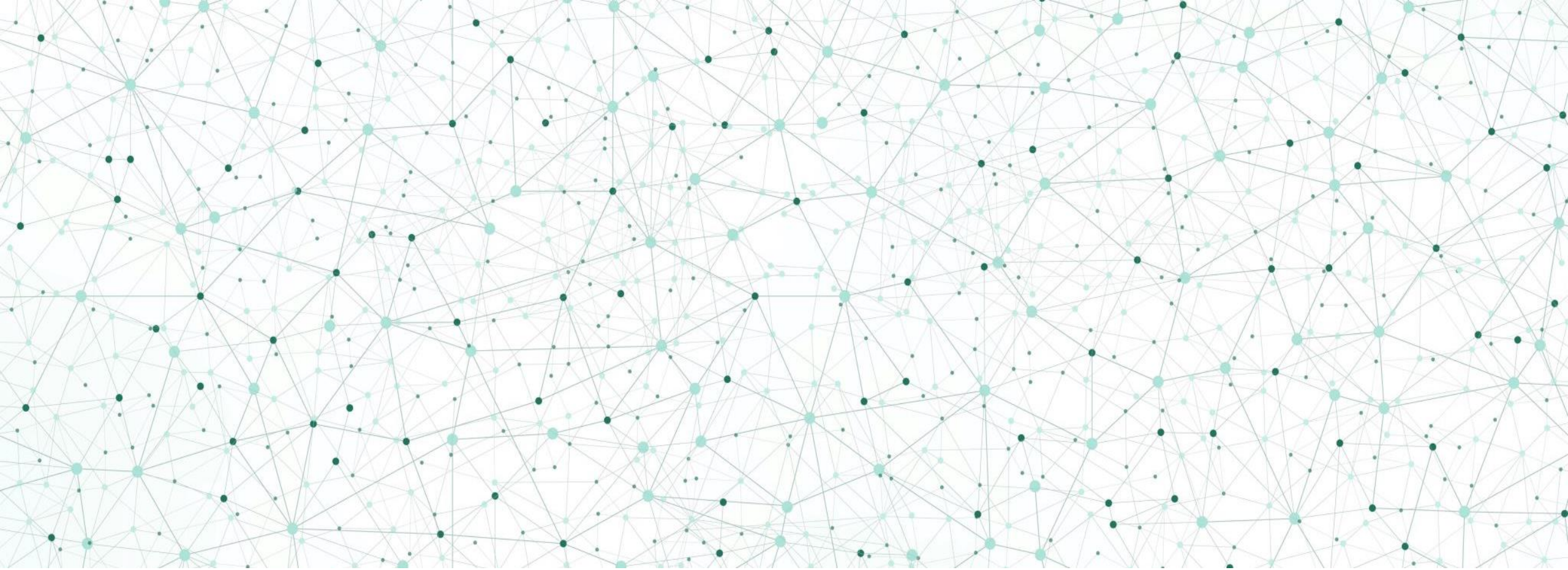


END-TO-END SUPPORT

We develop the solution, commission & validate as per applicable regulations

Let's listen to your factories. Book your appointment today & witness improvement within 30 days of user implementation.

Let's Solve & Simply! Contact Us.



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