

PROCESS CONTROL OPTIMISATION FOR FIXED PLANT

MAXIMISE THROUGHPUT & ENERGY PERFORMANCE WITH CONSTRAINT CONTROL

CHALLENGES

- Limited visibility into key plant constraints (e.g., bin levels, torque, flow) due to outdated or missing documentation.
- Legacy PLCs and SCADA systems often lack compatibility with modern control strategies and protocols.
- Live control testing poses high commissioning risks and potential disruption.
- Equipment upgrades can affect production schedules and reduce overall efficiency.

OUR SERVICES

- Audit process data (e.g., feed rates, bin levels) to define safe operating windows and identify bottlenecks.
- Apply model predictive control (MPC) to dynamically adjust operations and maintain peak performance.
- Retrofit modern logic into systems like Beckhoff or Siemens, ensuring seamless integration with existing infrastructure.
- Bench testing & risk-free commissioning
- Provide technical training and functional specs to support sustainable, in-house control management.

Get in touch today to identify your site's hidden optimisation opportunities and build a roadmap for improvement.

BENEFITS

- Higher Throughput Without Major Upgrades.
- Reduce idle time and optimise motor loads to lower power consumption and align with ESG goals.
- Prevent overloads, tripping and failures with smarter, predictive process adjustments.
- Optimised operation reduces wear, improves asset lifespan and reduces reactive maintenance needs

PROVEN EXPERTISE

- Expertise in optimising crushers, reclaimers, feeders, and conveyors within complex plant environments.
- Deep technical experience with modern control strategies across leading automation platforms.
- Seamless integration with legacy systems.
- We manage your full control upgrade lifecycle—from data analysis through to training and handover.

