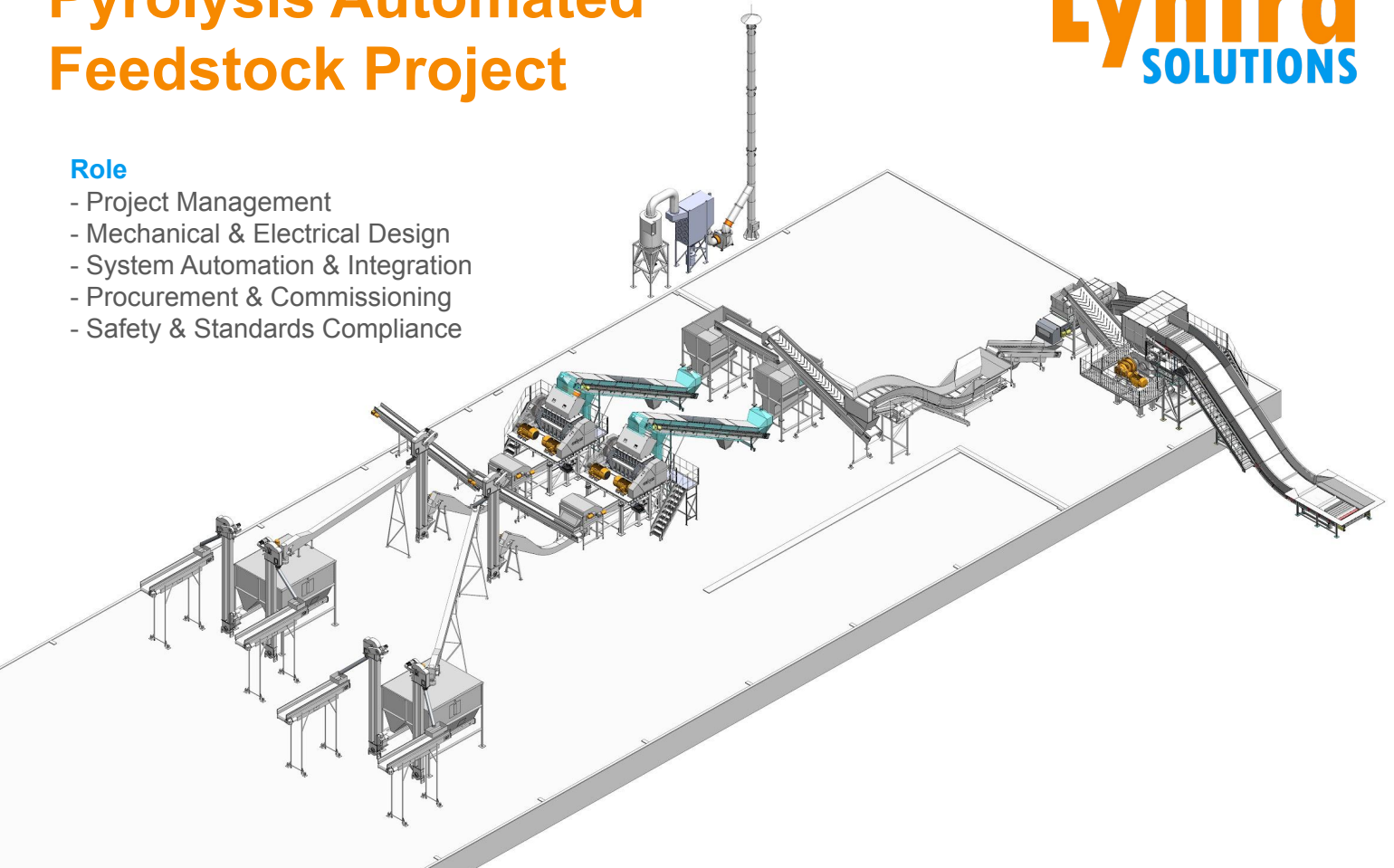


# Pyrolysis Automated Feedstock Project



## Role

- Project Management
- Mechanical & Electrical Design
- System Automation & Integration
- Procurement & Commissioning
- Safety & Standards Compliance



**Client:** Entyr (ASX:ETR)

**Region:** Australia

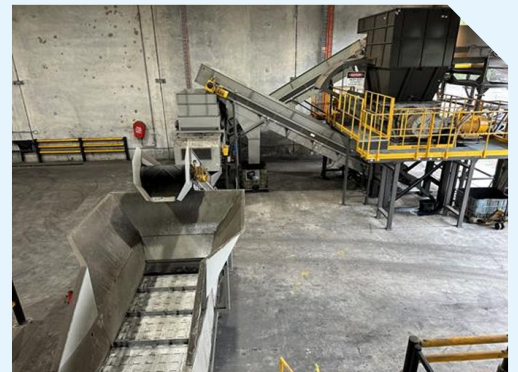
**Location:** Gold Coast, Queensland

**Project Type:** Engineer & construct

**Problem:** The existing feedstock operation was inefficient, costly, and created a significant safety risk due to a dusty environment and the use of multiple mobile equipment in a confined space.

**Solution:** We designed, procured, and installed a completely automated system that integrated into the existing SCADA system. The new, Australian-standards-compliant system consisted of a 5t/hr Twin Shaft Shredder, four conveyor belts, a sorting and return loop, and a dust extraction unit. We managed the commissioning, debugging, and training of staff, ensuring a safe and seamless transition.

**Result:** The project delivered approximately \$2.5 million in annual cost savings. The new system significantly improved maintenance and safety while increasing operational efficiency by redeploying three employees to other critical business functions.



The twin shaft shredder and conveyor system



The external view of the new feeding system