

## PLANT OPTIMISATION

Welcon Technologies can assist your organisation with a wide range of Electrical Plant Optimisation Projects.

Our range of skills, expertise and experience across multiple industry sectors will deliver the solution that best matches your specific requirements.

Working with you, we can identify, analyse, assess, and develop optimisation strategies to select, plan and implement the optimisation plan that will provide the most benefits to your organisation.

### BENEFITS

#### Costs Savings:

- Reduction in Raw Materials and Reagents
- Reduction in Waste Products
- Energy Usage

#### Productivity Improvements:

- Increased Output
- Improved Product Quality
- Reduced Downtime

#### Efficiency Gains:

- Operation
- Maintenance

#### Safety Improvements:

- Personnel
- Assets

#### Reliability:

- Plant Availability
- Plant Lifetime



### OPTIMISATION PROJECT STAGES

1. Identify Potential Opportunities
2. Analyse & Assess Opportunities
3. Work through Options with Stakeholders
4. Develop Selected Option(s)
5. Perform Feasibility and Cost Benefit Analysis
6. Evaluation of the Preferred Option(s) and Approval by the Client to Implement
7. Perform or Manage Design and Supply
8. Manage Installation and Commissioning
9. Close out & Verification/Validation

### EXAMPLES OF REAL SOLUTIONS

Specific projects where our customers have benefited from our plant optimisation know-how include:

- Materials Handling Automation.
- Process Configuration.
- Maintenance Scheduling Optimisation.
- Energy Efficiency Opportunities (EEO) Studies
- Protection Coordination & Discrimination

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