

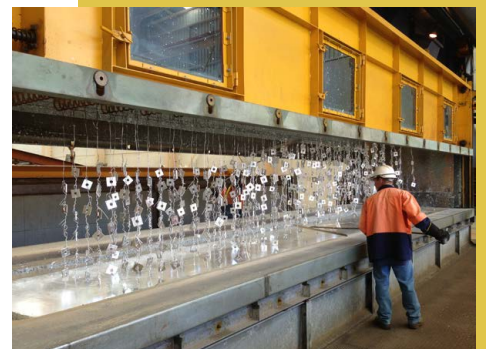
Galvanizing Project Solutions



Kingfield Technologies & Equipment understands what it takes to operate a successful galvanizing plant. Plant performance is determined from factors including:

- Plant layout
- Equipment selection
- Technical knowledge
- Operating costs
- Staff competency and experience
- Process efficiency
- Operational safety

We understand these factors and ensure all elements are factored into the project and operational planning. We also provide on-going support to help ensure the plant achieves the objectives initially established for it.





Turn-key Solutions

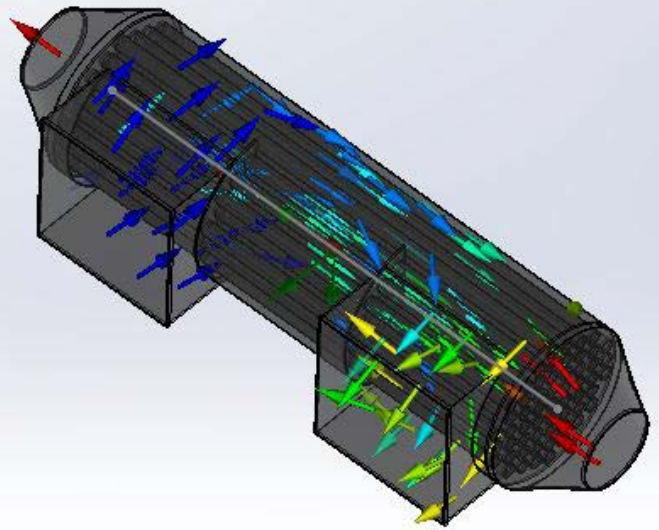
KTE can offer a complete Turn-Key plant design solution. Every plant is unique and is specifically designed to meet the requirements of our clients. We can oversee the entire project or specific elements of it.

Backed with many years of operational experience in the galvanizing industry, KTE has the expertise to deliver the most efficient and effective solutions. We work closely with our clients, keeping them updated and informed through every stage of the process – from concept, to start up and beyond.

Project Management

We can manage all or any part of the project. We utilise the latest systems to ensure we effectively manage the project from inception to completion and beyond.

- Complete project management service
- Client support with clear communication
- Documented project plans
- Project updates & meetings
- Site visits
- Liaising with external contractors and suppliers



Planning

The ultimate success of any project is determined by the meticulous planning process. Because our team has been involved in so many successful projects we have the knowledge and experience as the foundation for a successfully planned project.

- Product specifications
- Production throughput
- Plant sizing
- Materials handling requirements
- Environmental impact studies
- Utility analysis

Design

KTE offers a complete start to finish consultancy and design service. From site layout to complete materials handling. Utilising decades of experience and the latest design tools KTE provides the complete package:

- Latest 2D / 3D CAD software / Finite Element Analysis
- Mechanical and electrical engineering
- Realtime materials handling simulation
- Handling and flow requirements
- Fully engineered drawings and documentation to Australian standards





Site Layout

Every site offers different opportunities and challenges. KTE has the team with the knowledge and experience to assess the best layout to minimise establishment costs whilst maximising operating efficiency and profitability.

- Custom plant design
- Initial conceptual layout
- 2D and 3D plant layout with all equipment placed in position
- Plans, elevations and section views
- Final detailed engineering drawings.

Equipment

Selection and placement of equipment that will meet the long-term requirements of the client and which fit the initial budget requirements is a critical service provided by KTE.

KTE designs and installs a wide range of equipment according to operational requirements and budget. These plants may range from lower cost, manual systems, to semi-automated systems and through to state of the art fully automated high budget systems.

With energy demands, environmental factors and occupational health and safety standards playing an ever-increasing role, KTE's knowledge of environmental requirements, galvanizing operations and available equipment to minimise energy consumption and emissions can ensure the designed outcome can meet the long-term needs of our clients. In addition to designing into the plant the KTE manufactured Furnaces, Control Panels, Heat Exchangers and Metal Recyclers KTE have strong relationships with all of the industry's well known, leading suppliers and can bring together all of the components required in a cohesive package.

Installation and Commissioning

- Industry experienced, fully trained and accredited installation teams
- Qualified gas & electrical technicians
- Functional acceptance testing of all equipment prior to delivery
- Pre commissioning checks
- Finite tuning of combustion system for efficiency and production
- Complete combustion analysis
- Supporting documentation and manuals

Service, Support and Training

- Routine service and maintenance
- Online 24/7 technical phone support
- System operation and galvanizing plant process training





Operation and Production Services

Process Training

KTE also offers Process Training to all of our customers. Our hands-on knowledge is handed down to the trainees to ensure full understanding is obtained for the long-term benefit of the company.

Service and Support

KTE provides a range of services to ensure our client's galvanizing plants can operate at maximum profitability in the long term. Whether it be a contracted preventative maintenance program, ad hoc servicing or emergency help, KTE supports clients to maintain production and productivity. KTE utilises skilled and experienced staff to offer to its clients a customised, programmed preventative maintenance service.

This service provides vital commercial benefits by:

- Minimising equipment downtime and production losses
- Minimising safety hazards
- Maximising efficiency and productivity of the furnace
- Maximising asset productive life
- Decreasing costs of replacement parts
- Reducing the costs associated with "emergency" repair and maintenance

The KTE Programmed Maintenance Service has been designed to regularly analyse all major operational and production components and will incorporate:

- Analysis of combustion efficiencies for base production - tonnes per/hr. against time temperature recovery period
- Tailored comprehensive health check of furnace and furnace control system
- Overhaul and cleaning of combustion components such as burners and blowers including filters
- Checking and setting of air & gas pressures to all burners
- Flue gas and system analysis (complete report)



Our Programmed Maintenance Service provides customers with peace of mind that the Galvanizing plant is consistently functioning efficiently, safely, and reliably. This structured program is custom designed to work with all types and sizes of systems and KTE technicians are highly experienced and qualified within their fields.

Operations Consulting

Combined with the process training, KTE offers Operations Consulting to customers who require solutions that may be impacting your business such as:

- Quality
- Chemical Analysis
- Zinc Analysis
- Materials Handling
- Through Put
- Fuel Efficiency