



## SERVICES TO THE IRON & STEEL INDUSTRY



*Tapping operation with newly developed fume collection system*



*Coilbox™ technology developed and commercialized by Hatch Technologies – a technology expert in the global community for hot strip mills*



*Hot rolled coils*

Leaders of the iron and steel industry continually rely on wise and sustainable investment decisions, efficient implementation of capital, fast supply chain velocity, and low conversion costs. Hatch has been serving the iron and steel industry, providing assistance to support key investment decisions and to effectively implement a wide range of projects across all areas of the business.

Our range of services covers total life-cycle business support from support for business and facility planning to completion of projects from concept through the provision of engineering and project management, and training and maintenance services.

Our clients benefit from a diverse range of industry expertise, effective integration of project management and control systems, innovative approaches to project delivery at lower cost with shorter construction and ramp-up schedules, improved and extended plant performance, and leadership in the areas of safety, quality and sustainability.

By leveraging the breadth of capabilities, our clients have the flexibility to choose the appropriate services to complement their own for the best advantage resulting in efficient application of services and successful business outcomes.

Typical support services offered to the iron and steel industry:

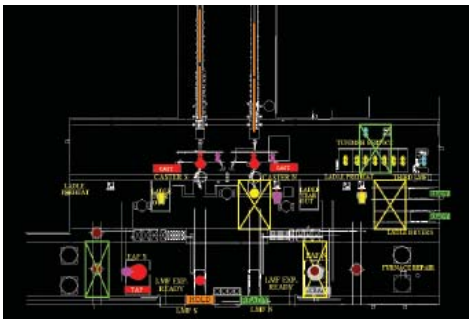
- Market assessment and due diligence
- Process and technology selection
- Facilities design, equipment sizing and layouts and general arrangements
- Detailed engineering and preparation of design standards/specifications for all disciplines
- Engineering, procurement and construction management (EPCM)
- Plant commissioning and start-up support
- Innovative upgrade and extension of existing operations.
- Operational readiness, including maintenance systems and operator training
- Strategic Asset Management (SAMS)
- Process and logistics modelling
- Systems and process control
- Operational support and operational improvement
- Environmental planning and site rehabilitation
- Water treatment and management
- Greenhouse gas assessments and strategies
- Specialist technology supply



*Metal coating and paintline facility  
BlueScope Steel, Suzhou, P.R. China*



*Hatch Coating Mass Control System (CMC) is an operator and maintenance-friendly system designed collaboratively by engineers and operators*



*Model of a compact steel plant (CSP) to explain production shortfalls and test debottlenecking strategies*

The iron and steel process areas covered by Hatch include:

- Pelletizing
- Sintering
- Cokemaking
- Ironmaking, including direct reduction and alternative and emerging technologies
- Steelmaking and casting
- Steel rolling (long and flat products)
- Coil strip processing lines
- Environmental systems
- Cogeneration facilities
- Water treatment plants.

Our team has recently been strengthened by Hatch's acquisition of IAS (Industrial Automation Services), a global leader in the provision of specialized process control and engineering services to the flat metal finishing industry.

Our approach is adaptable to the prevailing market situations and varying site conditions. It typically engages the synergy of owner's and Hatch's process and project expertise with our phased project delivery experience and integrated systems.

At all times, we are committed to satisfying our clients and support the achievement of rational and financially responsible business cases either through studies, EPCM projects, upgrades, automation, extension, or projects undertaken within operations support alliances.

Our global presence and diverse expertise enables us to cover all aspects of the iron and steel industry, from iron ore mining and iron and steelmaking through to steel rolling and finishing.