



INTELLECT
SYSTEMS

A QUANTA SERVICES COMPANY

CAPABILITY STATEMENT

We are Intellect Systems,
a leading provider of bespoke
Operational Technology Solutions.



Safety, progressive thinking, collaboration and a proven systematic approach drives every project solution.

A COMPANY BUILT ON REPUTATION

For over two decades we have been providing, innovative, safe and sustainable operational technology solutions across a range of industries and markets.

Backed by Quanta Services, Intellect Systems combines local expertise, agile delivery and a personal approach with global infrastructure strength, positioning us as a trusted partner for complex Operational Technology environments.

Founded in 2005 in Western Australia, and as of 2025 part of the Quanta Services family, Intellect Systems are a specialist provider of End to End Operational Technology solutions to the domestic and international markets. As an ISO 9001 and 45001 certified organisation we are committed to continuous improvement and holding ourselves accountable to the highest level of quality and safety.

Our forward-thinking, skilled and pragmatic team has built a strong track record delivering Electrical Engineering, Control Systems, Communications and Industrial IT solutions across every phase of the infrastructure lifecycle.

With Electrical Construction capability and established in-house Manufacturing, Intellect Systems provides fully integrated delivery – engineering, manufacturing, constructing, commissioning and optimisation under one accountable framework.

We listen to your ideas, and draw on our industry and technology know-how to tailor a solution to suit your specific needs. While in the process, we keep a close eye on the budget and of course the schedule, to ensure your project is a success. That's what makes us different.

We place importance on service and satisfaction and our core values form the cornerstone of our project delivery model. When you deal with Intellect Systems you are guaranteed to receive personal service, honest advice, a quality product and commitment which exceeds all expectations.

Our aim is to build enduring relationships through collaboration and personal customer service. As testament to this, we count many of Australia's most prestigious companies among our clients and we are proud to have earned the trust of the global vendors we work with.



OUR PROMISE

The Intellect Systems promise lies in our values and our commitment to provide a product at the highest level of quality, while taking ownership of the process and project drivers – safely.

> SAFETY

We are committed to a safe and injury free workplace and the development of a strong safety culture.

> QUALITY

We drive our projects using established processes and systems while working pragmatically and systematically to deliver excellence in every solution.

> TRUST

We invest time to listen carefully, understand our customers and build enduring relationships based on integrity and honesty.

> AGILITY

We have the stability of a large corporation, with the agility of a smaller organisation, allowing us to pivot and respond quickly to project requirements.

> COMMITMENT

We are passionate about our work, take ownership of the outcome and stand by our solutions and services.

> INNOVATION

We think progressively, embracing disruptive technology and trends to differentiate and continuously improve.

Local expertise. Global backing.
Engineering-led Operational Technology solutions,
powered by Quanta Services.



A QUANTA SERVICES COMPANY

THE QUANTA ADVANTAGE

Intellect Systems is proudly part of the Quanta Services family – a global infrastructure leader listed on the New York Stock Exchange and recognised internationally for delivering critical energy, utilities and infrastructure projects.

Through Quanta Services Australia, Intellect Systems is connected to a broader group of specialist infrastructure companies delivering projects across the energy, utilities, renewables, resources and industrial sectors.

Backed by this global strength, we remain locally led, agile and relationship-driven. Our clients continue to work directly with a Western Australian team that understands their operations, responds quickly and takes a personal approach to delivery.

As part of the Quanta group, we combine local expertise and specialist

Operational Technology capability with the financial strength, governance standards and technical depth of a world-class infrastructure network.

This alignment strengthens our safety frameworks, governance systems and delivery capability, while providing access to broader infrastructure expertise and global procurement networks.

Together, this positions Intellect Systems as a trusted partner for complex Operational Technology projects – combining personal service and local accountability with the backing of a globally recognised infrastructure group.

PART OF THE QUANTA SERVICES AUSTRALIA NETWORK

Through Quanta Services Australia, Intellect Systems works alongside specialist operating companies with complementary capability across power, energy, utilities, resources and industrial infrastructure.

This network provides access to shared expertise, broader delivery resources and collaborative project support where required, strengthening our ability to deliver integrated solutions while maintaining local accountability.



Engineering and project delivery services supporting energy, utilities and industrial infrastructure.



Major pipeline and infrastructure construction across energy and utility sectors.



High-voltage power infrastructure, substations and renewable energy connections.



Operational technology, business optimisation and digital transformation solutions.



WHAT WE DO

No two projects or clients are the same. Our portfolio of specialist operational technology skills allow us to tailor our services to meet your needs. We understand project dynamics and our lean and flexible approach allows us to react to transient environmental and project requirements.

At Intellect Systems we drive projects by combining practical engineering methods, proven processes and emerging industry technologies. Our value proposition lies within our experience in integrating diverse technology platforms through a range of industrial processes and environments.

It's this know how that gives us the edge in developing solutions that deliver tangible benefits – translating to cost, productivity and efficiency.

By combining engineering, manufacturing, construction and commissioning capability under one organisation, Intellect Systems reduces project interfaces and improves delivery continuity across the infrastructure lifecycle.

We will work with you to navigate the minefield of technical challenges and provide unbiased advice and support that delivers real world results.

Our comprehensive capabilities, diverse industry experience and vertically integrated delivery model support Operational Technology infrastructure from concept to operations.



ELECTRICAL ENGINEERING

Practical, comprehensive and systematic engineering design processes.



CONTROL SYSTEMS & AUTOMATION

Extensive industry and integration knowledge tailored to your requirements to deliver real-world results.



COMMUNICATIONS & INDUSTRIAL IT

Unified information and operational technology to connect your boardroom to the process floor.



ELECTRICAL CONSTRUCTION

Electrical infrastructure installation and construction services, for complex and critical operations..



MANUFACTURING

Engineering DNA and industry leading manufacturing production in a safe and integrated package.



SITE SERVICES

Experienced and specialised resources that understand your process to drive projects into operation.



CONTROL SYSTEMS & AUTOMATION

Extensive industry and integration knowledge tailored to your requirements to deliver real-world results.



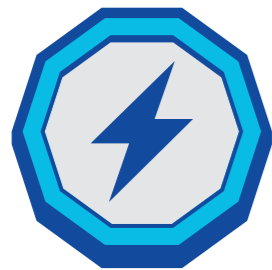
At Intellect Systems we provide bespoke control systems solutions from concept to implementation and into optimisation. Our control systems experts have the knowledge and experience to add value at any phase of a project, from feasibility studies to detailed engineering, to site commissioning and support.

Every project is different so we start by understanding key drivers that underpin every project to ensure a practical, cost-effective and sustainable control system solution is developed. We ensure that every solution is backed up by comprehensive engineering fundamentals and industry best practices.

Our extensive systems integration expertise and vendor neutral approach allows us to offer unbiased and specialised support through a range of services including conceptual design, hardware selection and specification, standards development or logic and configuration. With our site and operations background we are able to optimise either new or existing install bases through advanced process algorithms and tuning.

At Intellect our comprehensive product understanding and long-term partnerships with many of the world's leading industrial automation manufacturers give us the edge in providing an innovative and tailored solution.

- › PLC and DCS programming
- › SCADA and HMI development
- › Safety Instrumented Systems (SIS)
- › Control philosophy and functional design specifications
- › Cause & effect validation
- › Advanced process control
- › Brownfield system migrations and upgrades
- › FAT and SAT management



ELECTRICAL ENGINEERING

Practical, comprehensive and systematic engineering design processes.

- › Control panel and MCC design and drafting
- › Lighting and small power design and drafting
- › Electrical and instrumentation equipment selection and evaluation
- › Power systems studies
- › Hazardous area inspections and audits
- › Risk Assessments
- › Development of Safety Lifecycle Documentation
- › Safety System Validation
- › LOPA, HAZOP and CHAZOPs

Whether it's a motor control centre or a lighting and small power design our engineers have the know-how and qualifications to provide a comprehensive electrical design service.

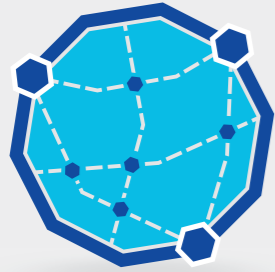
Our engineering solutions are driven by our understanding of real world operational environments. With a vast portfolio of projects executed over a variety of industries, we understand the pitfalls and efficiencies in implementing a fit-for-purpose electrical design.

Combined with the strength of our complementary skills in control systems and functional safety, we ensure our solutions meet your needs and are evaluated on all aspects of compliance and integration.

Our electrical services are not just limited to design – our team has a proven track record in successfully implementing some of the most complex projects throughout Australia and the world. Whether we supplement your own team or deploy our expert commissioning and completions team, we will take ownership of your project every step of the way.



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COMMUNICATIONS AND INDUSTRIAL IT

Unified information and operational technology to connect your boardroom to the process floor.

- › Fibre and Hardwired Networks
- › Industrial Networks
- › Radio Networks
- › CCTV Systems
- › Manufacturing Execution Systems
- › Remote Operations

Knowledge is power, and a well implemented Control Systems allows decision makers to access the right key performance data in a concise and timely manner.

At Intellect Systems we design every Control System to have a robust and scalable operational process network that delivers information to the right audience. Our engineers collaborate with corporate IT teams to bring data from the plant floor into the wider environment through the integration of the process and corporate networks.

We are experts in industrial networking and can design, and integrate hardwired and wireless communications and industrial process networks such as Profibus, Modbus, Ethernet/IP and DeviceNet,

We also have the know-how and experience when it comes to the design, development and deployment of CCTV, remote access and security solutions, and their implementation into existing Control Systems. Our experience in integration ensures that all your systems are unified.



ELECTRICAL CONSTRUCTION

Electrical Construction underpinned by engineering know how for high performing environments.



Intellect Systems' Electrical Construction capability has been established to deliver complex electrical and instrumentation works with the same technical precision, safety focus and quality standards that underpin our engineering disciplines.

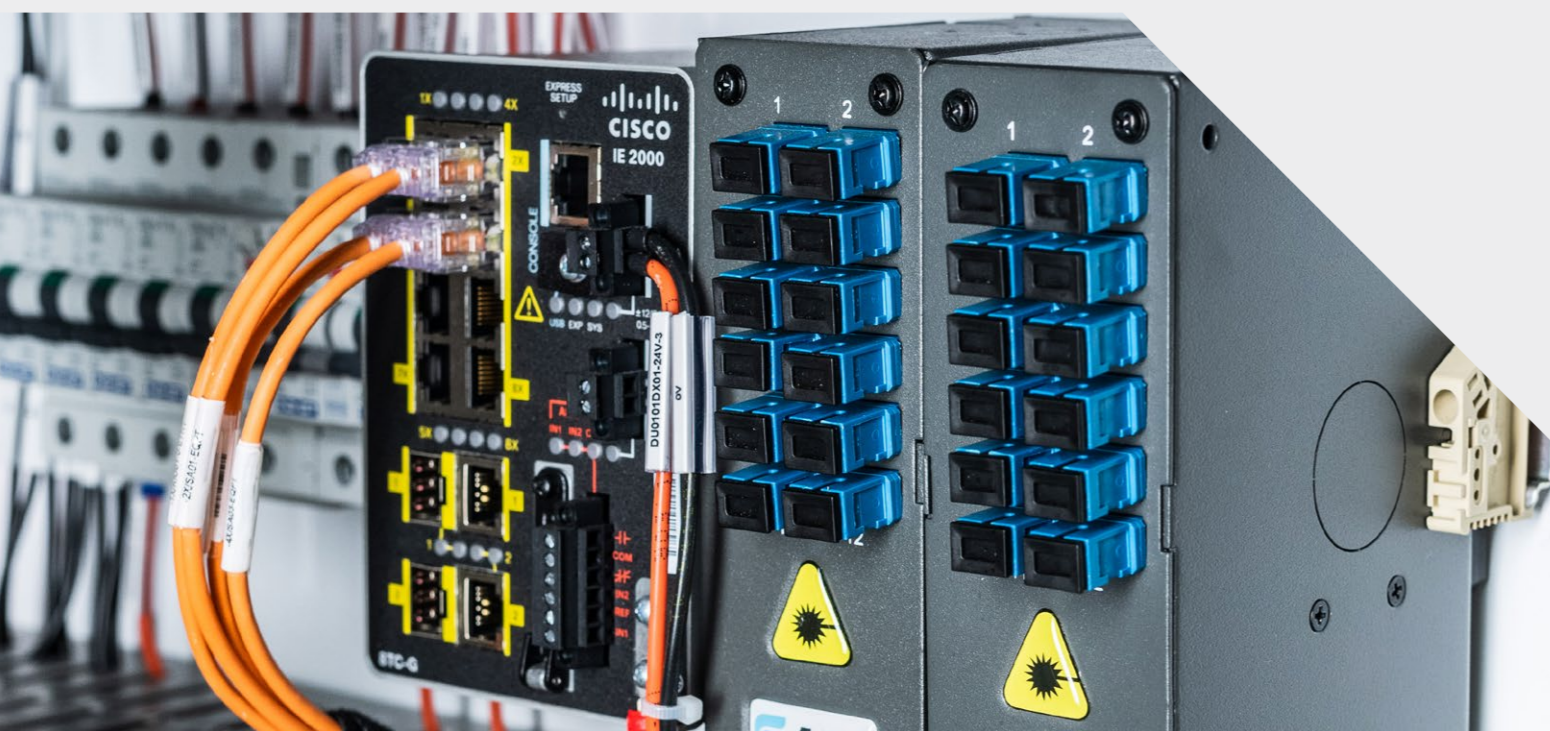
For our clients, this provides a single, accountable partner capable of supporting electrical works from planning and installation through to testing, completions and commissioning readiness.

Operating in safety-critical and production-sensitive environments, our teams deliver HV, MV and LV electrical installation services where compliance, quality and schedule certainty are essential. We execute in alignment with engineering design, ensuring works are constructible, compliant and ready for seamless commissioning.

Supported by experienced personnel across mining, renewables, industrial and processing environments, we bring a strong understanding of site conditions, stakeholder requirements and operational constraints.

From greenfield installations to complex brownfield upgrades, we deliver electrical works safely, accurately and with full accountability.

- › Substation and switchyard construction
- › HV / MV / LV installation and termination
- › Solar and Battery Energy Storage System (BESS) electrical works
- › Electrical and instrumentation installation
- › Underground reticulation and cable systems
- › Hazardous area installations
- › QA/QC and completions management





MANUFACTURING

Engineering DNA and industry leading manufacturing production in a safe and integrated package.

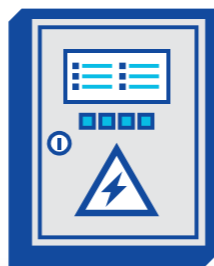
Our manufacturing process is underpinned by our engineering knowledge and refined by our real-world execution and implementation experience, helping us to deliver integrated and unified operational technology projects. From Switchrooms, Modular MCCs to Distribution boards, Marshalling and Communications cabinets our method is consistent.

Leveraging our core background in engineering and software development, along with our product knowledge, allows us to break down the barriers between design and manufacturing. Our ability to do this in-house provides a streamlined, controlled and efficient solution fully validated.

Whatever the application we own and commit to the process, providing value and a quality product by ensuring consistency, eliminating interfaces and scope gaps and ultimately reducing management and risk.

Intellect Systems operates a state of the art manufacturing facility south of the river geared to catering for MCCs and switch rooms, large scale manufacturing as well as small panels. With in-house automated wire processing, lasers, and labelling along with our skilled workforce of quality personnel and technicians we are able to deal with the demands of the most challenging projects.

Our in-house manufacturing capability means we can tailor a complete end-to-end solution precisely to your needs and process goals.



- › Transportable Switchrooms (>20M)
- › Modular Control Rooms (inc containerised 20ft and 40ft)
- › HV/MV Kiosks
- › Internal and External Motor Control Centres
- › Field Marshalling and Control Panels
- › Site Main Switchboards and Distribution Boards
- › IO and Junction Boxes
- › Remote Telemetry Panels and Skids
- › Communications Panels and Racks



SITE SERVICES

Experienced and specialised resources that understand your process to drive projects into operation.

- › Commissioning Management
- › Commissioning Engineers
- › Control Systems Engineers
- › Electrical and Mechanical Supervisors
- › E-I Technicians
- › Mechanical Fitters

A well designed system is not only critical to the safe and continuous operation of your process, it protects your most important assets – your people, your plant and the environment. However a poorly implemented design can result in inefficiencies, downtime and in some cases catastrophic disaster.

Our in-house construction and commissioning experts understand the challenges of implementing bespoke process solutions for new and existing installations. We take time to ensure knowledge and information from the design phase is translated into commissioning, covering off all gaps and documenting the process throughout.

We pride ourselves on providing highly experienced and specialised personnel and teams to drive projects from construction into implementation, and beyond. With our systematic processes and deep subject matter understanding we ensure that no stone is overturned to deliver an optimised and highly efficient final product, taking ownership of the outcome.



OUR END-TO-END PROCESS

The Intellect Systems difference is all about our ability to merge our collective skill sets to deliver an end-to-end product, taking ownership of the outcome through every phase of the process.

Poorly managed interfaces are one of the biggest sources of risk and inefficiency in infrastructure projects. At Intellect Systems, we reduce this complexity through a fully integrated delivery approach – taking accountability across engineering, construction and commissioning to streamline execution and improve project outcomes.

Our clients realise the benefit of having a subject matter expert who intimately understands the industry and technology, and who can advise and manage the project delivery process. In doing so we maintain a single point of contact, consistency and quality throughout the process to ensure the final outcomes are met or exceeded.

DESIGN

- › Feasibility studies and Concept Development
- › Budget Estimates and Take-Offs
- › Product Specification and Selection
- › Risk Assessments and compliance planning
- › Detailed Electrical and Control System Design
- › Functional and Process Safety
- › Hazardous Area Design
- › Control Philosophies
- › Functional Specifications

COMMISSION

- › Commissioning planning and management
- › Construction verification
- › Protection relay testing and validation
- › Functional and process safety validation
- › Integrated system testing
- › Performance verification
- › Documentation reconciliation and as-built confirmation
- › Commissioning close-out

OPTIMISE

- › Process and infrastructure audits
- › Production optimisation initiatives
- › Plant infrastructure modernisation
- › Renewable integration enhancements
- › Constraint management and debottlenecking
- › Mobile machine optimisation
- › Stockyard and port system optimisation
- › In-loading and out-loading system improvement

DESIGN

MANUFACTURE

COMMISSION

OPTIMISE

ENGINEER

CONSTRUCT

MAINTAIN

ENGINEER

- › Detailed electrical, automation and communications engineering
- › Standard Control Logic Development
- › PLC and DCS Programming
- › SCADA and HMI Software Development
- › Radio, Telemetry and RTU Programming
- › Hardware configuration and communications architecture
- › Virtual server configuration and deployment
- › Network integration and cybersecurity alignment
- › System modelling and validation

MANUFACTURE

- › Switch Rooms
- › Modular control rooms
- › Control and Remote Telemetry Panels
- › MCCs and switchboards
- › Distribution Boards and Junction Boxes
- › Communications Cubicles
- › Power Distribution Panels
- › Security and Network Cabinets

CONSTRUCT

- › HV / MV / LV infrastructure installation
- › Substation and switchyard construction
- › Solar and BESS infrastructure delivery
- › Electrical and instrumentation installation
- › Cable installation, termination and testing
- › Underground reticulation systems
- › Hazardous area installations
- › Structured QA/QC and completions management

MAINTAIN

- › Site-based support personnel
- › Operational and remote engineering support
- › Maintenance and shutdown assistance
- › System modifications and upgrades
- › Remote operations support
- › Operator and maintenance training
- › Customised interactive e-learning programs
- › Classroom and competency training

WHERE WE OPERATE

Proven real world operational experience tailored to your business and industry.

Each industry sector we operate in has its own unique set of requirements and solutions, ranging from proven and established processes to technologically ground-breaking concepts.

Intellect Systems' diverse industry exposure, along with comprehensive process and optimisation experience, ensures we are uniquely positioned to provide valuable insights that have a direct and tangible impact on your business's investments.

We are experts in developing bespoke turn-key solutions tailored to the industry you operate in.

OUR INDUSTRIES

RESOURCES

- › Materials handling systems
- › Mineral processing facilities
- › Lithium and critical minerals processing
- › Mobile machines (stackers, reclaimers, ship loaders)
- › Stockyard management and anti-collision systems
- › Dewatering and borefield infrastructure
- › Bulk commodity handling and loading systems

RENEWABLES & ENERGY

- › Solar generation facilities
- › Wind energy infrastructure
- › Battery Energy Storage Systems (BESS)
- › Hydrogen production facilities
- › Microgrids and remote energy systems
- › Grid connection and power management upgrades
- › Grid modernisation and high voltage integration

AGRICULTURE

- › Grain handling and storage systems
- › Irrigation and water management infrastructure
- › Feed and agricultural processing facilities
- › Fertiliser and chemical handling systems
- › Bulk materials handling and logistics
- › Regional and remote operational infrastructure

INFRASTRUCTURE

- › Power generation facilities
- › Energy and power management systems
- › Fuel management and delivery systems
- › Motorways, tunnels and bridge solutions
- › Maintenance facilities and operational hubs
- › Industrial infrastructure upgrades

MANUFACTURING & INDUSTRIAL

- › Food and beverage processing
- › Dairy and feed production
- › Packaging facilities
- › Composites and specialised manufacturing
- › OEM systems and integration
- › Process optimisation and debottlenecking
- › Storage and distribution facilities

UTILITIES & WATER

- › Water and wastewater treatment systems
- › Pump stations and distribution networks
- › Power distribution and utility infrastructure
- › Metering, monitoring and control systems
- › Asset upgrades and network optimisation
- › Maintenance and operational support



Innovative, comprehensive and integrated operational technology solutions to drive projects from concept to realisation, and beyond.





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