Capability Statement

Acubis Technologies Pty Limited

acubis

About Acubis

Remote communication specialists

Acubis is passionate about helping clients invest in the right communications solutions. We take the time to understand your unique operating environment and design digital communications solutions to achieve your objectives.

Choose Acubis to deliver seamless communications solutions and keep your site connected.

Keeping sites connected

We are proudly Emergent

Acubis is part of Emergent Group, a dynamic partnership of technical sciences companies working together to deliver practical operational solutions for Australian businesses, industries, and government.

Advitech
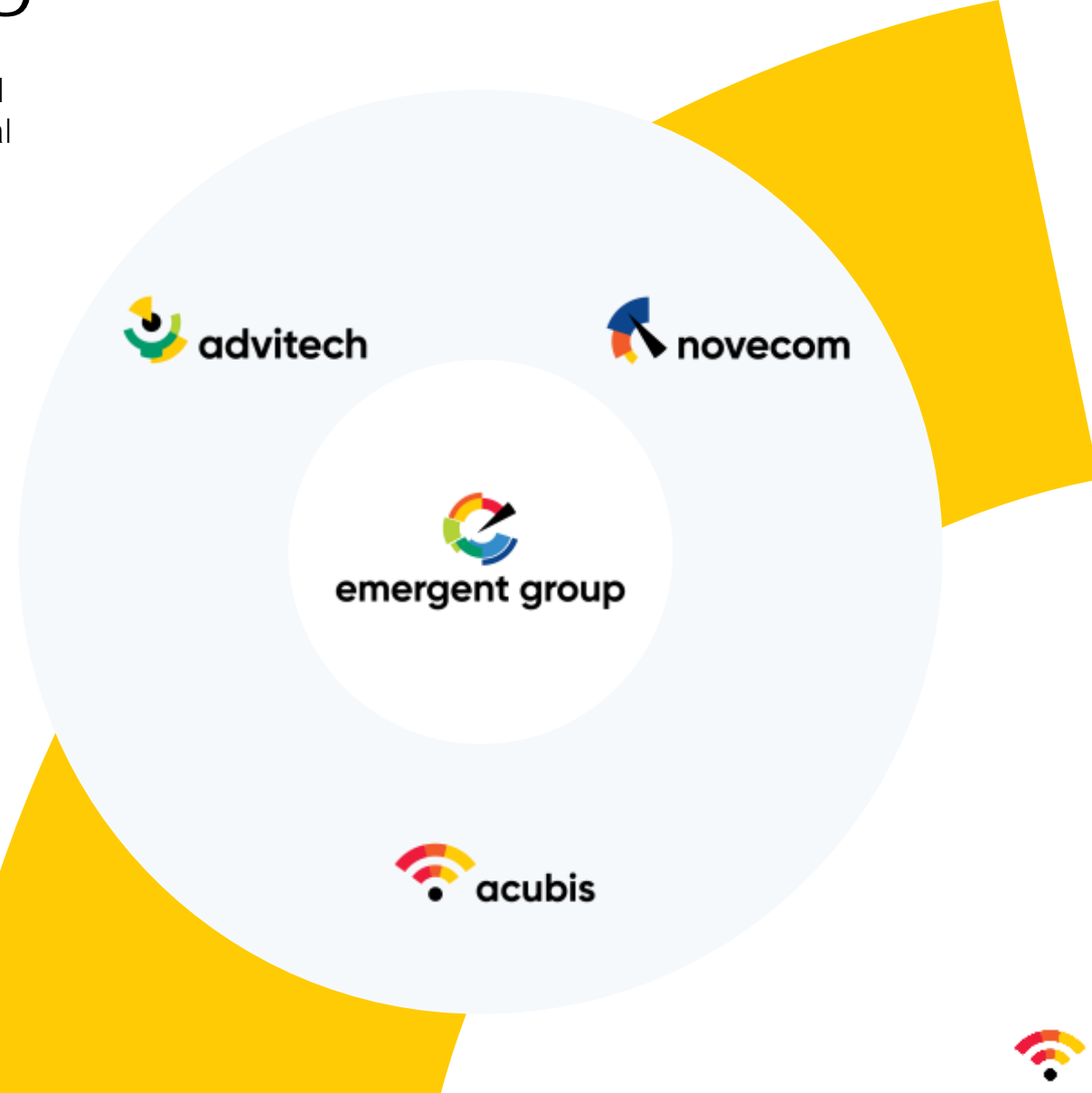Engineering and environmental consulting

Novecom
Sensor networks, monitoring and industrial IoT

Acubis
Remote communications networks

Together, our Emergent Group companies love to explore challenges and uncover possibilities. We are engineers, scientists, analysts, technicians and systems specialists.
We are focused on the challenges of today... and tomorrow.
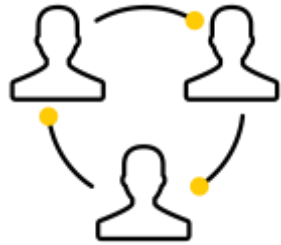We're focused on you. We are Emergent Group.

Our Solutions

Wireless Data Networks

Industrial Kinetic Wireless Mesh

Wireless PTP and PTM

Managed Networks

Private LTE

Distributed Antenna Systems

Two Way Digital Radio

Digital Mobile Radio (DMR)

Terrestrial Trunked Radio (TETRA)

Communications Infrastructure

Fixed Guyed Towers

Rapid Deployment Towers

Mobile Communications Platforms

Solar Skids

Communication Shelters

CCTV

IP Camera

Video Recording

Smart Speed Radar

Wireless Data Networks

Robust and scalable wireless networks

Whether you're creating new communications infrastructure or upgrading equipment, Acubis can deliver the product range, training and support you need for your complex connectivity challenges.

Our partnerships with leading technology suppliers ensures you have access to the best products and solutions for your wireless data networks.

Talk to us about

- Industrial kinetic wireless mesh
- Wireless point-to-point (PTP) and point-to-multi-point (PTMP)
- Managed networks
- Private LTE solutions
- Distributed antenna systems (DAS)

Two Way Digital Radio

Stay connected

Acubis are approved suppliers, system designers and integrators for a range of Terrestrial Trunked Radio (TETRA) and Digital Mobile Radio (DMR) products, for all your two-way digital radio needs.

Talk to us about:

- TETRA DAMM

- Motorola

- Motorola Turbo

- Tait

Communications Infrastructure

Fixed and mobile solutions to keep your site working

Acubis can integrate a range of fixed and mobile infrastructure into your communication system design. From fixed guyed towers and communications huts to mobile platforms, trailers, skids and rapid deployment towers, our alignment with leading infrastructure providers means Acubis can design and install the best communications network for your needs.

Talk to us about

- Fixed guyed towers
- Rapid deployment towers
- Mobile communications platforms
- Solar skids
- Communication shelters

CCTV

Reliable solutions to protect and monitor your site

Acubis provides a range of customised CCTV solutions to suit various security and personnel safety applications including commercial premises, government infrastructure and heavy mobile machines such as draglines, excavators and trailers.

Talk to us about:

- IP cameras

- Video recording

- Temperature screening

- Smart speed radar

Supporting Services

Robust and scalable wireless networks

Acubis are passionate about helping clients invest in the right communications solutions. Our turnkey solutions include customised, high-performing and cost-effective radio, network and telecommunications technology.

From design, installation and commissioning through to maintenance and support – get connected with Acubis.
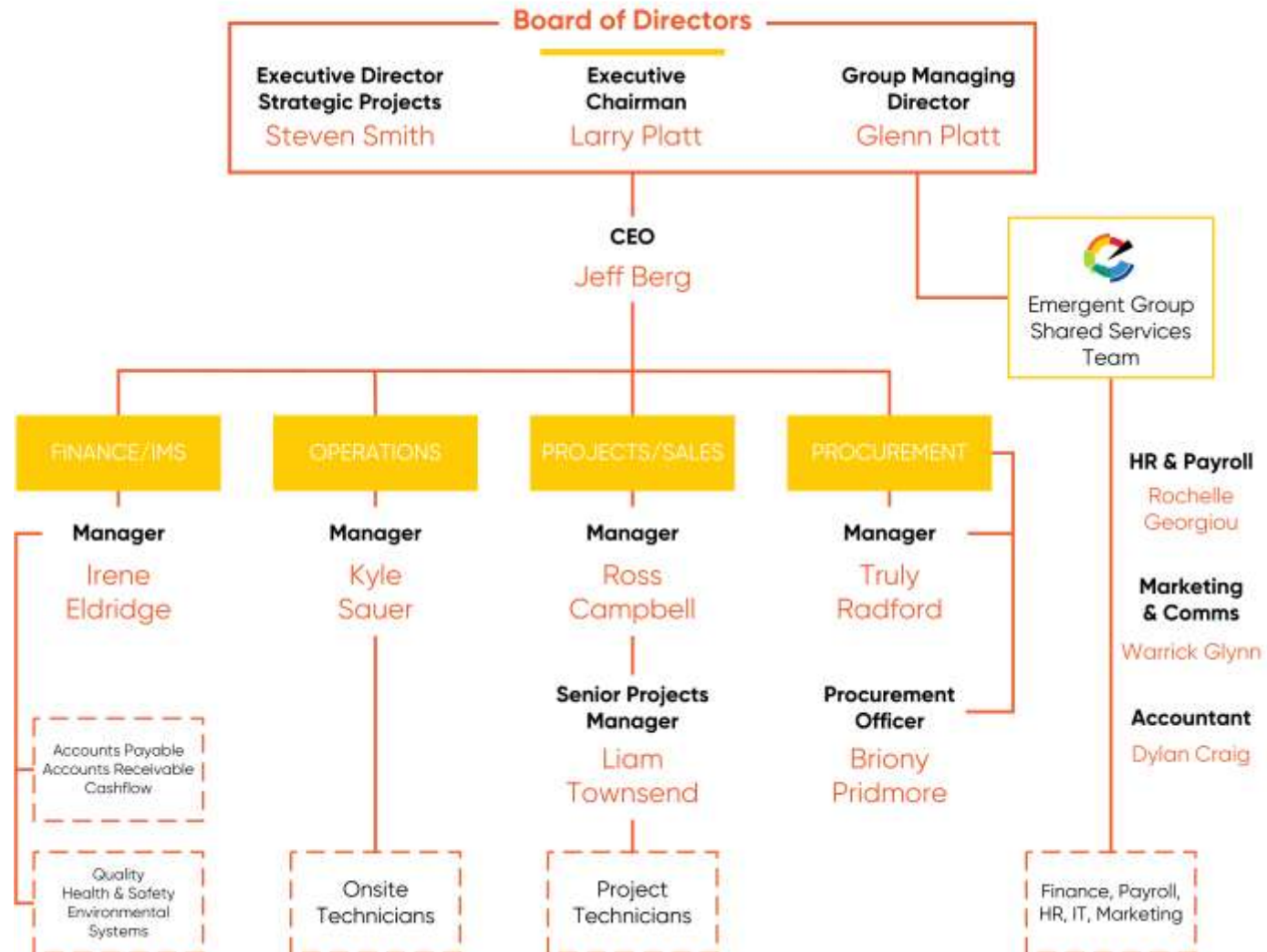
Talk to us about

- Network design, installation and commissioning
- Project management
- Maintenance and support services
- RF Surveys

Meet the Team

Acubis Technologies Pty Limited

Communication Technicians

All our Communication Technicians hold or are in the process of gaining the following qualifications. We require all our Technicians to be fully qualified and cross trained to support our valued clients across multiple technologies, industries, and sites. At Acubis Technologies, individual training is fully endorsed, planned, costed, and supported.

- Certificate IV/III in Telecommunications
- Rajant Administrator
- Cambium Installer and Maintainer
- Cisco Certified Technician
- Motorola/Tait/Tetra Damm Systems Maintainer
- Milestone System Integrator
- Axis System Integrator
- Bosch Securities System Integrator
- STD 11

- First Aid & CPR
- White Construction Card
- Working at Heights
- Confined Spaces and Gas Test Atmospheres
- High Risk License EWP above 11m
- Coal Board Medical
- ACMA licensed cabler (SOCT)
- QLD Class 2 Security Equipment Installer and Advisor License

Proven Experience

TEC Coal Pty Limited

Meandu Mine (2015- ongoing)

- Milestone CCTV network integration utilising Bosch/Axis IP Cameras
- Radio spectrum analysis using specialized software for radio Point to Point (PTP) planning.
- Designed and integrated a sitewide Rajant Kinetic Mesh Network for Fleet management data traffic CCTV, and Radio communications.
- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 150 Rajant Breadcumbs)
- Design & supply of RAJANT Wireless Communication Trailers (Briteforce). Fitted with CISCO switch Cambium PMP and RAJANT LX5-2255C.
- Designed and installed new fixed communication towers and shelters for the of the new Operational Technology Network.
- Designed and integrated the new Operational Technology Licensed microwave backhaul.
- Designed and integrated the new Operational Technology LAN consisting of Palo Alto Firewall and CISCO Core/Distribution and Access Switches.
- Inducted and maintained qualified technicians onsite week to week for ongoing maintenance.
- Contracted support owner for the entire Operational Technology Network.

Coronado / Curragh

Curragh Mine (2019- ongoing)

- Supply AT900 Solar Trailers – Electric 9m mast with rotate and tilt actuators, hot dip galvanized chassis, cold dig galvanized body – CEA approved.
- Supply RDU-S 30m skid mounted temporary communications unit and tower, including load engineering.
- Supply and Integration of new Peregrine & Hawk Rajant Nodes.
- Distributor of communications parts & equipment.

Proven Experience

BHP Billiton

Goonyella/Riverside Mine (2015- ongoing)

- Inducted and maintained qualified Technicians onsite week to week for ongoing maintenance (2015-2019)

- Distributer of communications parts & equipment (2015-2023+)

Peak Downs Mine (2019- ongoing)

- Inducted and maintained qualified Technicians onsite one week each fortnight for ongoing maintenance.

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT LX5-2255C.

- Rajant network review & optimisation – BC|Enterprise and BC|Connector Integration.

- Distributer of communications parts & equipment.

Blackwater (2019- ongoing)

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT Peregrine.

- Test & evaluate new Rajant Peregrine & Hawk Nodes for BHP Approval. Units approved for use through MinAus Principal Engineer - Wireless and Facilities.

- Supply and integration of new Peregrine & Hawk Rajant Nodes.

- Rajant network review & optimisation – BC|Enterprise and BC|Connector integration. (Approximately 300 Rajant Breadcumbs)

- Distributor of communications parts & equipment.

Saraji Mine (2011- ongoing)

- Sitewide IP CCTV Integration, maintenance, and technical support.

- Radio spectrum analysis using specialised software for radio Point to Point (PTP) planning.

- Supplied all equipment and provided full repair and maintenance support back to OEM in USA.

- Procured, configured, and integrated supporting specialist solar comms trailers to support infrastructure.

- Procured and installed fixed communication towers and trailers for the installation of solar power systems and radio equipment.

- Inducted and maintained qualified telecommunications and CCTV technicians onsite week to week for ongoing maintenance.

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT LX5-2255C.

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector integration.

- Distributer of communications parts & equipment.

Caval Ridge Mine (2020- ongoing)

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT LX5-2255C

- Distributer of communications parts & equipment.

Proven Experience

Glencore

NC Coal Collinsville (2012- ongoing)

- Undertook radio spectrum analysis using specialized software for radio Point to Point (PTP) planning.

- Supplied all equipment and provided full repair and maintenance support back to the OEM in USA.

- Procured, configured and integrated supporting specialist solar comms trailers to support infrastructure.

- Understood all equipment digital configuration including digital security.

- Supply & install reversing cameras on 18 x CAT777.

- Distributor of communications parts & equipment.

- Operational Technology Consultancy Services.

Bulga (2022- ongoing)

Operational Technology Network Upgrade.

Designed and upgrade the Rajant Kinetic Mesh Network consisting of Rajant Peregrines and Hawks for fixed infrastructure and mobile machines for Fleet management, High Precision GPS, CAS, Tyre Pressure Monitoring, CCTV, and Radio communications.

Rajant network review & optimisation – BC|Enterprise and BC|Connector integration. (Approximately 200 Rajant Breadcumbs)

Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT Peregrine.

Designed and Integrate new Operational Technology LAN consisting of Forigate Firewall and CISCO Core/Distribution and Access Switches.

Distributer of communication parts & equipment.

Operational Technology Consultancy Services.

Proven Experience

Glencore

United Wambo Joint Venture (2020- ongoing)

- Designed and integrated a sitewide Rajant Kinetic Mesh Network for Fleet management data traffic CCTV, and Radio communications.

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 150 Rajant Breadcumbs)

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT Peregrine.

- Designed and installed new fixed communication towers and shelters for the new Operational Technology Network.

- Designed and integrated the new Operational Technology Licensed microwave backhaul.

- Designed and Integrated the new Operational Technology LAN consisting of Forigate Firewall and CISCO Core/Distribution and access switches

- Distributer of communication parts & equipment

- Operational Technology Consultancy Services.

Ravensworth (2022- ongoing)

- Operational Technology Network Upgrade.

- Designed and integrated a sitewide Rajant Kinetic Mesh Network consisting of Rajant Peregrines and Hawks for fixed infrastructure and mobile machines for Fleet management, High Precision GPS, CAS, Tyre Pressure Monitoring, CCTV, and Radio communications.

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 150 Rajant Breadcumbs)

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT Peregrine.

- Designed and installed new fixed communication towers and shelters for the of the new Operational Technology Network.

- Designed and integrated the new Operational Technology Licensed microwave backhaul.

- Designed and integrated the new Operational Technology LAN consisting of Forigate Firewall and CISCO Core/Distribution and access switches

- Distributer of communication parts & equipment

- Operational Technology Consultancy Services.

Proven Experience

Glencore

Hail Creek Mine (2019- ongoing)

- Distributer of communication parts & equipment.
- Operational Technology Consultancy Services Consultancy Services
- Inducted and maintained qualified Technicians onsite week to week for ongoing maintenance.

Rolleston (2018- ongoing)

- Inducted and maintained qualified Technician onsite week to week for ongoing maintenance.
- Distributer of communication parts & equipment.
- Operational Technology Consultancy Services Consultancy Services.

NC Coal Newlands (2015- ongoing)

- Design and Integration of a sitewide Rajant Kinetic Mesh Network for Fleet management data traffic.
- Construction and integration of a 30m Fixed Tower including associated communications equipment
- Inducted and maintained qualified Technicians onsite week to week for ongoing maintenance.
- Operational Technology Consultancy Services.

Proven Experience

Glencore

Mt Owen (2022- ongoing)

- Operational Technology Network Upgrade.

- Designed and integrated a sitewide Rajant Kinetic Mesh Network consisting of Rajant Peregrines and Hawks for fixed infrastructure and mobile machines for Fleet management, High Precision GPS, CAS, Tyre Pressure Monitoring, CCTV, and Radio communications.

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 150 Rajant Breadcumbs)

- Design & Supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP and RAJANT Peregrine.

- Designed and installed new fixed communication towers and shelters for the new Operational Technology Network.

- Designed and integrated the new Operational Technology Licensed microwave backhaul.

- Designed and Integrated the new Operational Technology LAN consisting of Forigate Firewall and CISCO Core/Distribution and access switches

- Distributer of communication parts & equipment.

- Operational Technology Consultancy Services.

Whitehaven

Maules Creek (2022- ongoing)

- Inducted and maintained qualified Technician onsite week to week for ongoing maintenance.

- Supply and Integration of new Peregrine & Hawk Rajant Nodes.

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 50 Rajant Breadcumbs)

- Distributer of communication parts & equipment

- Operational Technology Consultancy Services.

Proven Experience

Stanmore Resources

Isaac Plains Mine (2019-2023 ongoing)

- Designed and integrated Motorola Turbo DMR Tier 2 Digital Radio Solution.

- Designed and integrated a sitewide Rajant Kinetic Mesh Network consisting of Rajant Peregrines and Hawks for fixed infrastructure and mobile machines Fleet management and High Precision GPS, (Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 30 Rajant Breadcumbs)

- Design & supply of RAJANT Wireless Communication Trailers (Briteforce). Fitted with CISCO switch Cambium PMP, RAJANT Peregrine & Motorola Repeater.

- Designed and installed new fixed communication towers and shelters for the of the new Operational Technology Network.

- Designed and Integrated the new Operational Technology Licensed microwave backhaul.

- Designed and Integrated the new Operational Technology LAN consisting of Forigate Firewall and CISCO Core/Distribution and access switches.

- Inducted and maintained qualified Technician onsite 7-on/7-off roster for ongoing maintenance.

- Operational Technology Consultancy Services.

Poitrel Mine (2018- ongoing)

- Rajant Network Review & Optimisation – BC|Enterprise and BC|Connector Integration. (Approximately 150 Rajant Breadcumbs)

- Design & supply of RAJANT Wireless Communication Trailers - Briteforce. Fitted with CISCO switch Cambium PMP & RAJANT Peregrine.

- Supply of RAJANT Wireless Communication breadcrumbs.

- Distributer of communication parts & equipment.

- Operational Technology Consultancy Services.

South Walker Creek (2018- ongoing)

- Rajant network review & optimisation – BC|Enterprise and BC|Connector Integration.

- (Approximately 150 Rajant Breadcumbs)

- Supply of RAJANT Wireless Communication breadcrumbs

- Distributer of communication parts & equipment.

- Operational Technology Consultancy Services.

Technology Partners and Suppliers

Sectors We Support

Defence

Oil and Gas

Local Government

Manufacturing

Mining

Utilities

Trusted By

BHP

BAE SYSTEMS

CAT®

Downer
Relationships creating success

Hitachi Data Systems

GLENCORE

golding

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