



Telecommunications and Power Quality Products and Services

CAPABILITY STATEMENT



ABOUT ATI AUSTRALIA



Telecommunications and Power Quality engineering with a focus on high-capacity Wireless, Electrical Testing and Critical Power systems

Established in 1992, ATI Australia's purpose was to support Australian enterprise with novel technologies requiring high-capacity telecommunications services. ATI quickly became Australia's leading expert in digital microwave radio technology, building wireless wide area networks across Australia

In March 2022 ATI's capability in critical power was broadened after a merger with Power Parameters, a business with over 100 years of history in industrial power in Australia. With the merger ATI became expert in power test, measurements and verifications systems and industrial Uninterruptable Power Supplies (UPS)

In 2023, ATI is a professional engineering and technical services organisation providing products and services in telecommunications, critical power systems and power quality instruments. Application of engineering principles, planning and innovation allows us to integrate technology to create solutions to the evolving telecommunications and critical power requirements of enterprise within Australia. As a subsidiary of Mayfield Group Holdings Ltd., ATI operates at a professional corporate level whilst holding on to private company flexibility and values



INDUSTRIES SERVED



GOVERNMENT &
DEFENCE



GENERATION &
DISTRIBUTION



EDUCATION



MINING &
INDUSTRIAL



OIL & GAS



HEALTHCARE



COMMUNICATION



TRANSPORTATION



MANUFACTURING



RENEWABLE
ENERGY



WATER &
WASTEWATER



INFRASTRUCTURE



PRODUCTS AND SERVICES

ATI offers two distinct product ranges and services in Telecommunications, Critical Power systems and Power Quality and Testing instruments



TELECOMMUNICATIONS

- Turnkey Wireless Networks
- Construction & Maintenance Services
- CCTV and Solar Installations
- RF Engineering Design
- Hardware Supply and Installation
- Remote and On-site Support



POWER

- Electrical Test and Measurement Equipment
- UPS, Generator and Battery Supply and Maintenance
- Instrument Repairs and Calibration
- Power Quality Audits and Specialised Services





PRODUCTS AND SERVICES: TELECOMMUNICATIONS

ATI has the experience and skill to provide a complete end to end telecommunications solution

Delivery of wireless telecommunications solutions and site infrastructure for high-capacity data distribution and backhaul

ATI designs and builds turn-key telecommunications infrastructure, including:

- Civil, Structural, Electrical and Telecommunications design
- Construction and local authority approvals
- Telecommunications facility construction
- Power system installation and commissioning
- High-capacity data backhaul system installation and commissioning

With the telecommunications foundation laid, ATI can deliver the technology for our customers specific applications including:

- Microwave Last Mile delivery of IP-WAN services
- Digital Mobile Radio
- Supervisory Control and Data Acquisition (SCADA)
- Energy network transmission and distribution Tele-protection
- Closed Circuit Television (CCTV)
- WiFi and other wireless solutions for user access and facilitation of the 'I of T'

ATIs products and services are used by our customers to support critical applications. Availability of power ultimately defines the availability of their systems. Power systems designed, deployed and supported by ATI are used in industries such as:



PRODUCTS AND SERVICES: CRITICAL APPLICATIONS



Energy, Water, Mining and Transport

110V substation auxiliary power supplies
Critical Communications, SCADA and Tele-protection



Emergency Services

Station Operations
Critical Communications



Federal Government

Meteorological and Geological scientific measurements
Border Security Camera Surveillance
National Broadcasting Services



Tertiary Education and Research

Remote campus IP WAN Services
Renewable Energy Research and Development



State and Local Government

Remote campus IP WAN Services
CCTV for local Law Enforcement
IT systems for Corporate and Customer Services
Critical Communications and SCADA

PRODUCTS AND SERVICES: CRITICAL POWER SOLUTIONS

Critical power solutions, including UPS, DC power, Solar/generator hybrid and battery storage

High importance applications require reliable power. ATI integrates a range of power and energy storage technologies to provide a reliable power supply to our customer's systems.

We help solve our customers' critical power challenges:

- Filtering poor quality utility power
- Management of reactive load power factor
- Reliable back up power
- Complete standalone telecommunications power systems



DC Power Supply 12 – 110Volt for telecoms and energy transmission



Telecommunications solar systems 1-20kW



Wind generation



Energy Storage: Battery – Sealed Lead Acid or Lithium Iron Phosphate 0.3-266kWh
Diesel or Gas Generator 10-600kVA



Uninterruptible Power Supply (UPS), 1&3 Phase 1-600kVA

PRODUCTS AND SERVICES: ELECTRICAL TEST INSTRUMENTS

Power infrastructure test, measurement and verification solutions for asset maintenance, research and development, manufacturing and fault analysis

Partnering with some of the best equipment manufacturers in the industrial power market including HIOKI, CHROMA and BAUR, ATI are one of the leading suppliers of power test, measurement and verification product and services.



ATI has the capability to offer a unique set of products and services to the industrial energy market including:

- Underground HV cable fault detection and condition assessment
- Underground cable asset location and identification
- Cable and transformer insulation testing
- Power quality monitoring & fault analysis
- Load testing and auditing
- Automatic test systems for battery, generation and EV research and manufacture



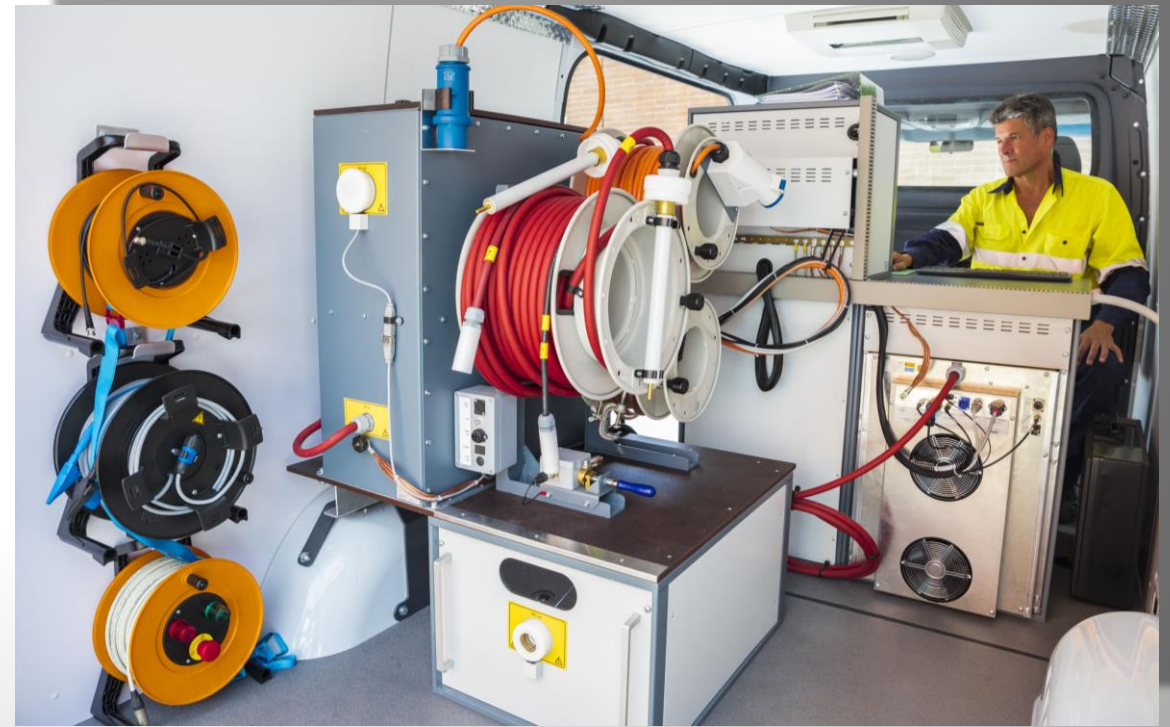
PRODUCTS AND SERVICES: CUSTOMISED TEST SOLUTIONS

ATI Engineers can design and build integrated testing solutions tailored to our customers business or application

- Underground HV Cable Test vans, trucks and trailers for Utilities and their service partners
- Complete testing laboratory systems for power generation, battery and EV research and development
- Production line test systems for power generation and battery manufacture quality assurance
- Onsite continuous power monitoring and analysis systems for industrial facilities.



The wealth of data made available by ATI test and measurement systems provides a clearer picture of our customers assets and production systems. ATI's engineers provide application support in the use of our systems, in addition to expert analysis of test and measurement results which assist our customers to manage and maintain their critical operations



PRODUCTS AND SERVICES: REMOTE MONITORING

ATI has built a comprehensive remote monitoring and asset maintenance capability that is configurable to meet our customers requirements. Our system gives the ATI service team and our customers access to:

- Real time system performance monitoring
- Fault or incident alerting
- Remote access for application support or fault diagnosis and repair
- Real time asset condition monitoring
- Predictive condition reporting for power infrastructure

The system is deployed on most networks and systems deployed by ATI but may be applied to any existing asset, including:

- Underground HV Cable condition and predictive lifetime assessment
- Transformer Oil insulation monitoring
- Telecommunication network monitoring and management
- Site power and battery monitoring
- Utility power quality analysis
- Renewable generation asset monitoring
- Supervisory Control and Data Acquisition applications (SCADA)



Over 1500 customer locations with power and telecom assets have been onboarded to ATI's remote monitoring platform

PRODUCTS AND SERVICES: BATTERY MANAGEMENT

The Socius Battery Manager allows users to protect, control, manage and monitor their battery systems. Its flexible configurations suit any battery type and chemistry, and is scalable for almost any battery pack size and pack voltage. Universal cell connections with the option of wired or wireless communications, it is suitable for telecommunications, industrial & commercial battery systems

It provides a clear picture of the health capacity and status of your energy storage assets

- Visibility of latent faults in battery cells affecting battery performance
- Visibility of the true capacity of your battery assets as they degrade over time
- Reduce or remove preventative maintenance and audit visits
- Remove the need for calendar-based battery cell replacements

Developed in house by our Engineers to support ATI telecommunications power systems, the Socius Technology Battery Manager is a leading-edge battery management solution for all battery technologies and industry applications

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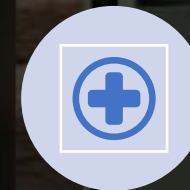
Measure: voltage (system, string and cell), current (system and string), temperature (cell), internal resistance (cell)



Control: interface to charging systems, optional charge/battery/load disconnect an reconnect hardware



Alert: report errors or exceptions in state, condition or performance



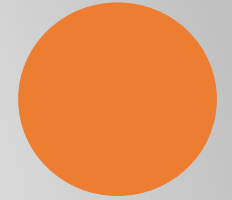
Protect: disconnect or reconnect charge/battery/load as required, balance cell voltages (dynamic through charge and regenerative within the string)



Report: usage, errors and exceptions, performance and lifecycle predictions

PRODUCTS AND SERVICES: SUPPORT SERVICES

ATI offers Whole-of-Life support for all Products and Solutions we deliver. We are able to tailor a support package that aligns to the role of the solution we deliver in our customers operation and to its importance



Our support plans offer service level assurance based on:

Availability: System or solution availability per annum, inventory or spare part availability, personnel availability (time of day & day of week)



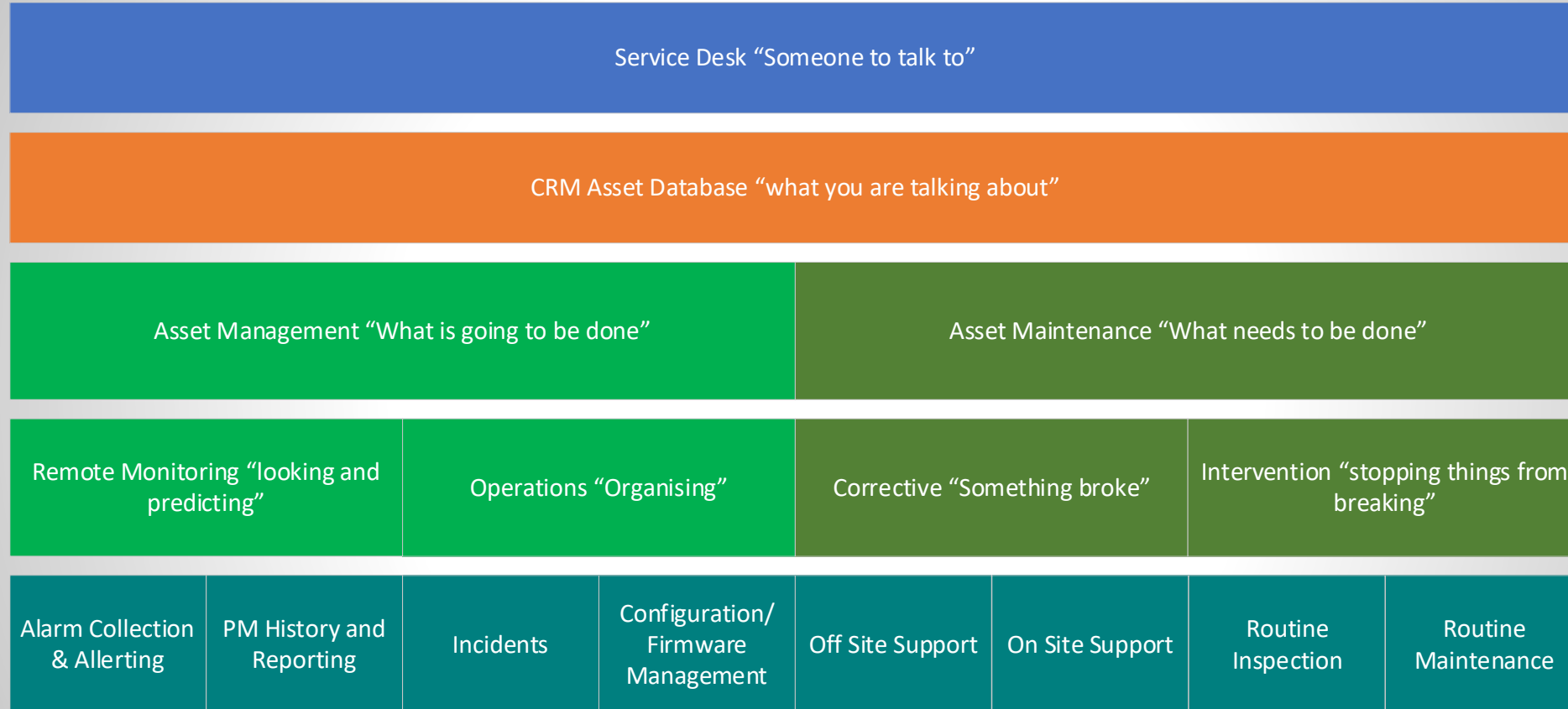
Time: Response time, Restore time, Repair time, Dispatch time and mobilisation time, including 24x7 service desk



Frequency: Intervals for Calibration, Maintenance, Inspection, Testing or Reporting



ATI SERVICE & SUPPORT MODEL



No matter what solution ATI has delivered - Telecommunications network, CCTV solution, Battery and Power System, Automatic test system, HV cable test system, or Electrical Test and measurement equipment – The ATI service model and support plan can deliver effective support and servicing plans for its whole operational life

CUSTOMERS



THE UNIVERSITY OF
MELBOURNE



Australian Government
Bureau of Meteorology



TRITIUM



Australian Government
Geoscience Australia



QUEENSLAND ALUMINA
LIMITED

OPTUS



Australian Government
Department of Defence
Defence Science and
Technology Group



UNIVERSITY of
TASMANIA



BRANDS



ensuring the flow



CONTACT US



New South Wales Office

A: 5/27 Mars Rd, Lane Cove NSW 2066

T: +61 2 9901 8400

E: sales@ati.com.au

Victoria Office

A: 24-25/1 International Drive, Westmeadows VIC 3049

T: +61 3 9450 1500

E: pqsales@ati.com.au

Queensland Office

A: 73/193-203 South Pine Rd, Brendale QLD 4500

T: +61 2 9901 8400

E: sales@ati.com.au

www.ati.com.au