



Capability Statement 2025

Company Details

📍	Wyong, NSW 2259
✉	estimating@syscon.net.au
☎	02 4355 1716
🌐	syscon.net.au
ABN	66 120 506 532



Want to learn more?
Scan the QR code
to visit our website!



Company Overview

SYSCON is an Accredited Service Provider (ASP) with more than 20 years of expertise in high-voltage and low-voltage electrical distribution network works.

We deliver customised electrical infrastructure solutions for diverse industries, leveraging our technical knowledge and in-house capabilities to serve Sydney, Central Coast, Newcastle, Hunter and Regional NSW.

Our comprehensive approach ensures that every project is completed safely, efficiently, within budget and to the highest quality standards, meeting the unique needs of our clients.

We have experience across a diverse range of industries, working to become a powerhouse in electrical engineering and construction throughout Australia's leading industries.

| Powering progress with expertise and innovation.





Our Services

Our services cover all aspects of electrical and civil infrastructure design, construction and maintenance.

With a team of experts and in-house capabilities, we provide tailored solutions that ensure safety, efficiency and high-quality outcomes.

Whether addressing high-voltage projects or intricate civil works, we have the expertise to deliver exceptional results.

Design & Engineering

- » Private High & Low Voltage Networks
- » ASP3 Networks
- » ASP2 Networks
- » Design Constructability Review
- » Earth Grid & Lighting
- » Urban & Sports Field Lighting
- » Cable Pulling Calculations
- » CAD Service Overlays
- » Directional Bores
- » Feasibility Studies

Integrated Electrical Engineering & Construction Services

Renewable Energy Systems

- » Solar Farm
 - » Battery Energy Storages Systems (BESS)
 - » Micro Grids
 - » Solar Lighting
-

Utility Network Systems

- » Substation Installations (incl. Kiosk / Pad-Mount, Pole, Chambers & Zone)
 - » Overhead Line Reticulations
 - » Streetlighting
-

Private Network Systems

- » High Voltage Substations
 - » Overhead & Underground Power Reticulation
 - » Control & Protection
-

Communications Systems

- » Overhead / Underground Fiber Optic

Our Services *(cont)*

Utility & Infrastructure Construction (Up To & Including 132kV)

- » Service Search & Potholing
- » Civil Works (incl. Duct / Conduit Installation, Directional / Bed-Bores, Bulk Excavations, Foundations & Restoration Works)
- » Substation Installations (incl. Kiosk / Pad-Mount, Pole, Chambers & Zone)
- » Cable Hauling
- » Decommissioning and Cable Recovery Works
- » High & Low Voltage Jointing and Terminations
- » Optical fiber / Splicing
- » Overhead Line Construction
- » Custom Transformers
- » Urban & Sports Field Lighting
- » High & Low Voltage Switchboard Installations

Electrical Testing & Commissioning

- » Current Injection Testing
- » 3rd Party Asset LFI and EPR testing to confirm voltage hazard levels at appurtenances and equipment
- » High Voltage Testing and Commissioning
- » As-Built Documentation Preparation & Submission



Accreditations

Our accreditations demonstrate our unwavering commitment to excellence and compliance.

By meeting rigorous requirements and exceeding industry benchmarks, we ensure that every project we undertake is executed with precision, reliability and accountability, setting us apart as a trusted leader in electrical infrastructure.

- ✓ ASP1 Grade A, Level 2 Categories 1-4
- ✓ CM3 Accredited
- ✓ Authorisation for contestable work on all NSW power systems up to 132kV
- ✓ Ausgrid
- ✓ TFNSW Vendor No. 5014112
- ✓ Endeavour energy
- ✓ Electrical Contractors Licence
- ✓ Essential Energy

Industries We Serve

We serve a diverse array of current and emerging industries, offering tailored electrical infrastructure solutions.

With our extensive experience and technical expertise, we deliver results that align with the specific requirements of sectors ranging from agriculture to utilities.

Our capabilities encompass comprehensive project management, innovative design and reliable execution for high-quality outcomes across all projects.

- » Agriculture
- » Civil
- » Commercial
- » Construction
- » Defence
- » Government
- » Industrial
- » Mining
- » Rail
- » Renewables
- » Transportation
- » Utilities

Our Clients

We are proud to collaborate with leading organisations across various sectors, delivering tailored solutions that align with their unique requirements.

By fostering strong relationships and maintaining a track record of excellence, we consistently provide value to our clients and contribute to their long-term success.

Our partnerships include industry leaders in utilities, construction and infrastructure development.

Supply Authorities – Government or regulated entities managing electricity distribution networks.

Tier 1 Companies – Large infrastructure firms handling major projects.

Tier 2 Companies – Medium-sized contractors supporting Tier 1 firms or working on smaller projects.

Tier 3 Companies – Smaller subcontractors or specialty service providers.

Developers – Developers needing electrical infrastructure for residential, commercial, or industrial projects.

Private Clients – Businesses or individuals requiring custom electrical solutions.

Case Study

Asset Relocation from Lisarow to Ourimbah

The Challenge

SYSCON faced a complex project involving the relocation of assets from Lisarow to Ourimbah, including overhead 132kV and underground 11kV works.

Significant challenges arose due to excess groundwater at the construction site, which required innovative problem-solving to proceed efficiently.

Our Solution

To tackle the groundwater issue, SYSCON installed multiple spear points along the trench route.

This effective drainage method allowed for uninterrupted trenching, ensuring the successful placement of conduits and minimising delays in the construction process.

Partnering with clients to deliver unmatched precision and expertise in electrical and civil construction.



The Result

The project was completed on time, exceeding client expectations.

Beyond the original scope, SYSCON incorporated additional utility services, including water, gas and telecommunications, showcasing adaptability and delivering exceptional value to the client.

Case Study

33kV Supply For Sydney Metro City & Southwest

at Willoughby Subtransmission Substation



The Challenge

At the Willoughby STS zone substation, Syscon faced a multifaceted project requiring both excavation and the installation of a custom cable ladder up a rock wall — with the additional task of stabilizing the rockface.

The strict site restrictions prohibited the use of mechanical excavation methods, and the presence of bouldery fill rendered traditional approaches ineffective.

Initial attempts using manual excavation with electric jackhammers proved to be inefficient, highlighting the urgent need for a new, cost-effective construction methodology to meet the project specific needs.

Our Solution

To overcome these challenges, Syscon engineered an innovative approach that bypassed conventional excavation methods.

The team installed conduits above ground level, securely encased in concrete, to form a resilient infrastructure framework.

Following this, the entire ground level was raised to align with Ausgrid's stringent compliance requirements, ensuring the project met both operational and regulatory demands efficiently and economically.



Equipment

At Syscon, we own and maintain our own in-house equipment with our skilled mechanic.

The dedicated workshop team ensures all plant and equipment are serviced and maintained to the highest standards.

Additionally, our Mobile Service Unit minimizes downtime, keeping operations efficient and reliable.



» Non-Destructive Digging (NDD) Trucks

Designed for excavation in sensitive environments or service identification where traditional digging methods are unsuitable.

» Excavators

Versatile fleet ranging from 1.5 to 35 tonnes, capable of operating across urban, brownfield and greenfield sites to meet diverse project needs.

» Cable Installation Equipment

A selection of standard and custom equipment designed for complex works up to 132kV.

» Tipper and Haulage Trucks

Approved for transporting and disposing of all classifications of excavated waste.

» Elevated Work Platforms (EWP)

Specialist access equipment for working at height, ideal for overhead power installations and maintenance.

» Crane / Lifter Borer

Essential for power pole installation and removal, combining lifting and boring capabilities for streamlined operations.

» Asset Locating

Advanced locating technology to accurately detect underground utilities, reducing the risk of service strikes and ensuring safe excavation.

» Earth Rig

Purpose-built for drilling and installing electrical earthing systems, ensuring compliance with network and safety standards.

Company Details



Wyong, NSW 2259



estimating@syscon.net.au



02 4355 1716



syscon.net.au



66 120 506 532



Want to learn more?
Scan the QR code
to visit our website!

