Capability Statement
Industrial Networking Solutions

OSA

About
OSA

Optical Solutions Australia (OSA) is a 100% Australian, privately owned and operated company that has been supplying communications products and support solutions to industry for over 20 years.

The Industrial Networks Business Unit within OSA focuses on critical Wired and Wireless network solutions specific to the requirements of industries including Mining & Resources, Energy, Utilities, Infrastructure, Transport, Security & Surveillance, Manufacturing and Building Management Systems.

At the core of OSA's philosophy is our strong, values-based culture that focuses less on what we do, and more on how we do it. Our vision is to be the market leader in product selection and project delivery, achieved through the quality of our people and the strength of our relationships with clients, partners and stakeholders.

SUPPLY CHAIN   INVENTORY   PRODUCT   DISTRIBUTION

DELIVERY   MANUFACTURING   CARGO   DESTINATION

OSA

Key Industry Expertise

Recognised as a strong and respected market leader, OSA's industrial product range offers diversified and proven solutions from industry leading global manufacturers. Our success is based on our ability to build strong partnerships with our suppliers that produce positive outcomes for our clients.

Our technical knowledge and experience enable OSA to provide industry best practice and fit for purpose product selection, network design and pre / post sales technical support services for key industry sectors, including:

- Security and Surveillance
- Road and Rail Transport Infrastructure
- Energy and Utilities Infrastructure
- Mining and Resources
- Defence
- Building Management Systems (Hospitality, Education, SMB and Building Management Communications)

Our business operates across Australia, ensuring that OSA can offer a robust combination of national expertise with local knowledge. The OSA national warehouse footprint enables depth of capability, making OSA extremely well positioned to deliver projects across Australia and internationally.

We pride ourselves on delivering outstanding results on time and with the highest degree of professionalism.

IP Networks
Industrial Networks from 10Gb Layer 3 core to the edge designed for deployment into arduous industrial applications with extended temperature rating from -40 to +75 Degree operating. Comprehensive Enterprise switching infrastructure for applications from SMB to big data applications.

Wireless Networks
Industry rated outdoor wireless backhaul, PtP, PtMP and MicroWave. Cellular Routers for 3G, 4G 4GX LTE and Indoor Meshed networks WLAN APs and Controllers, Hotspot Gateways and Cloud Management.

Network Security
UTM, VPN and APT, Firewalls, Cloud Management Security and Threat Mitigation.

Critical Networks
Deterministic, redundant and high availability with sub <50ms reconvergence for PLC/DCS and sub-station automation.

Powering Networks
Switch mode industrial rated power supplies, power conversion, industrial rated PoE injectors, mid-span PoE, solar management, industrial and enterprise UPS systems.

Protection Networks
Physical networking security and isolations, lightning protection, surge protection and tamper proof installations.

Network Management
Network management systems for wired, wireless and cellular networks, comprehensive pro-active analytics, redundancy convergence testing, remote management and diagnostics.

OSA Partners – Comprehensive and Flexible.

CommScope: Infrastructure Solutions for Wired and Wireless Networks
CommScope pushes the boundaries of communications technology to create the world's most advanced networks. Across the globe, Commscope solutions are redefining connectivity, solving today's challenges and driving the innovation that will meet the needs of what's next.

Delta: Power Supplies and UPS
Delta is one of the largest global manufacturers of power systems, including Industrial Rated DIN Rail and Shelf mounted switch mode power supplies. Delta also offers a comprehensive portfolio of UPS solutions for mission critical applications that range from 1.5kVA to 20kVA plus.

Korenix: Industrial Network Switching and Communications
A division of the Beijer Group, Korenix is a global leading manufacturer, specialising in Industrial Ethernet Networking and PoE solutions for use in harsh industrial environments and critical data applications.

MS Tronic: PoE Injectors and Power Supplies
MSTronic is a manufacturer of Industrial rated PoE injectors and mid span (PoE), Solar Battery Chargers and switch mode power supplies.

Optech: Optical Transceivers
Optech is a Taiwanese manufacturer of the highest quality Optical Transceivers and Direct Attach Cables that range from 100Mb to 400Gb. Optech products are RoHS compliant, UL and TUV Rheinland and ISO9001, ISO14001 certified.

OT Systems: Industrial Communications for IP Security Systems
OT Systems specialise in the design and manufacture of high-quality transmission devices and solutions for the security industry. OT Systems' range of products include, Ethernet switches, IP over coax, media conversion with PoE and contact closure signals over optical fibre.

OSA Partners – Comprehensive and Flexible.

Prysmian Group: Telecommunications Cables and Systems
Prysmian is a global market leader in optical and metallic systems for the telecommunications market. Prysmian supplies a major share of the world's metallic and fibre optic cable requirements, offering complete end-to-end passive optical systems.

RADWIN: Wireless Broadband Solutions
RADWIN is regarded by Tier-1 carriers as the trusted partner for wireless broadband and is a world leader in the development of innovative sub-6 GHz wireless technology. RADWIN provides carrier grade Point-to-Point and Point-to-Multipoint, Dual Band Radio, Cellular and IP backhaul, Video transmission, Multi-Service and Small Cell solutions for Tier-1 Service Providers and Carriers, Rail and Road transport authorities, Smart Cities, Utilities, Oil, Gas and Mining industries.

Taoglas: Innovations in Antenna Solutions
Taoglas manufactures a broad range of Antenna's for IoT and Mobile applications in the sub 6Ghz range. Consisting of 3G, 4G, 4GX LTE, Wi-Fi and GNSS, Taoglas has proven expertise globally across the transportation, connected healthcare, smart cities and smart building industries.

Teltonika: Industrial Cellular Networks
Teltonika is one of Europe's leading and most innovative manufacturers of world class Cellular 3G, 4GX LTE Routers, Gateways and Modems, IoT/M2M and GPS Telematics solutions. Teltonika products are deployed globally in the Industrial, Automation, Energy, Utilities, Smart Cities, Transportation, Enterprise, Retail and Surveillance markets.

Zyxel Communications: SMB Networks and Cyber Security
Zyxel is a market leading high-tech company that develops and manufactures a comprehensive range of networking solutions, which include Switching Infrastructure, Wireless LANs, SD-WAN and Cyber Security. Renowned for its robust and reliable networking equipment, Zyxel is a global vendor that possesses all key hardware technologies and software elements to deliver unified solutions for SMB, Education, Hospitality and for the Security and Surveillance industries.

2J Antennas: Industrial Antennas
2J Antennas is a global supplier of antenna solutions that aims to deliver innovative solutions to the connected world. 2J Antennas delivers high-quality products with cutting-edge technologies to meet the rapidly evolving wireless industry requirements catering to 5G, 4G (LTE), 3G, 2G, WiFi, Iridium communications, GPS/GNSS/BeiDou frequencies and more. 2J Antennas provides solutions for the Automotive, IoT, Marine, Telematic, Automation and M2M markets and is certified to ISO/TS16949:2009.

CONTACT US

QLD Office

Unit 2 40 Borthwick Ave
Murarrie QLD 4172
Telephone: **+61 7 3399 5280**
Fax: **+61 7 3399 9805**

Sydney City Office (NSW)

Unit 10 10 Bradford Street
Alexandria NSW 2015
Telephone: +61 2 9304 4555
Fax: +61 2 9700 8055

Silverwater (NSW)

Unit 4 52 Holker Street
Silverwater NSW 2128
Telephone: +61 2 9395 1400
Fax: +61 2 9647 0014

VIC Office

Unit 3 30 Prohasky Street
Port Melbourne VIC 3207
Telephone: +61 3 9646 4166
Fax: +61 3 9646 4155

ACT Office

22 Isa Street
Fyshwick ACT 2609
Telephone: +61 2 6162 4600
Fax: +61 2 6162 4605

WA Office

28a Teddington Rd
Burswood WA 6100
Telephone: +61 8 9361 7000
Fax: +61 8 9361 7011

www.opticalsolutions.com.au

📞 **1300 130 423**