



# COMMUNICATIONS

## OUR EXPERIENCE

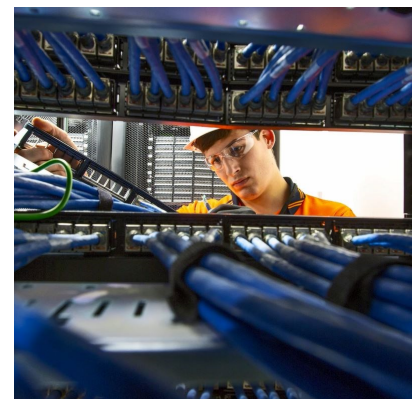
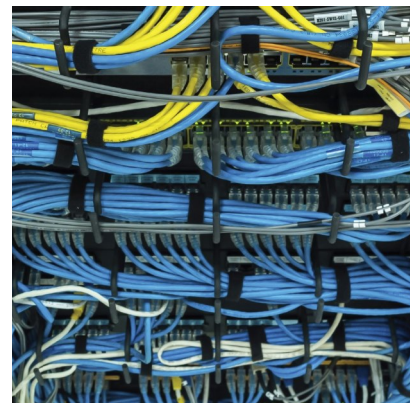
Nilsen have been the major Electrical and Communications contractor on many major projects and have gained experience from a range of diverse and varied project scopes.

If concrete and steel are the backbone of any building, electrical and other networks are their lifeblood. To ensure our customers' network plant services their business needs, Nilsen has built on its strong heritage in electrical wiring to offer complementary communications solutions.

Nilsen's design and engineering teams easily transition from the conceptual stage of networks to the most cost-efficient design realisation to meet the client's communication requirements of banking, other financial institutions, hospitals as well as industrial and commercial organisations. Backbones such as Ethernet, structured cabling, and specialised industrial buses, in fibre or copper are all an integral part of Nilsen's expertise.

## OUR HISTORY

- With over 100 years of continuous service in the Electrical industry, Nilsen maintains the traditions on which the company was built: Service, Reliability and Quality
- With offices in all mainland capitals and some regional centres, Nilsen is one of very few companies that offers its wide range of products and services Australia wide
- Nilsen partner with strategic global suppliers to provide comprehensive





## OUR SAFETY COMMITMENT

Nationally, Nilsen Senior Management has a very active role in all HSE matters and culture at Nilsen. Our safety commitment is top down and bottom up approach with all employees being responsible and accountable for their health and wellbeing and those they deal with. Nilsen have a practical, advanced company-wide national safety system accredited to AS 4801 and follow the mantra of ZERO HARM.

Nilsen are experienced in working on secure sites such as Data Centres, Airside areas and Defence bases and are equipped to implement plant and security related preventative measures. We prepare a Site Specific Safety Plan in accordance with the Builder's requirements for every project and complete internal audits on a monthly basis.

design and installation services, facilitating the best possible innovative engineering solutions

- Nilsen pride ourselves on completing projects on time and within budget
- Nilsen never vacate a project unless it is totally complete and to the satisfaction of the client
- Nilsen have the ability to assist with innovative design, which aids cost reduction, without diminishing operational requirements at final completion.

## OUR CAPABILITY

Nilsen is able to offer a vast array of Communications services, including:

- Network Design & Construction Implementation Services
- Structured cabling, Fibre Optic system audits and project documentation
- Installation, termination and testing of all structured cabling systems
- Structured cabling network auditing
- Design, Installation, Termination and testing of Wireless access points
- Manufacturer Certification for installation and design with all major cabling companies including Commscope, Systimax, Siemon, AFL and Panduit
- Installation, termination and testing of Telecommunication cabling and Telecommunication equipment
- Installation, termination and testing of Fibre Optic Cabling Networks
- Design and Construct of cable pathways and infrastructure
- Testing to latest International and Australian Standards
- Specialising in after hour's equipment and cabling shutdowns, changeovers and repairs
- Security vetted personnel to complete works within Defence and Air Services Sector and also the Health Sector

## OUR PROJECTS

The size, technical complexity and innovative solutions to challenging conditions has resulted in Nilsen being awarded a wide range of Data and Communications projects.

### VICTORIA

- Interactive Data Centre, Port Park
- NEXT DC M1 Data Centre – Winner of 2013 VIC NECA Award for Best Large Commercial Project





## OUR PEOPLE

Nilsen have a strong and stable workforce of 1,700+ trade and support staff with Federal Government ABCC Compliance across the country, over 120 of which are registered Communications technicians. Many of our employees also have 25+ years' experience with Nilsen.

Our team also has extensive knowledge of the Defence, Air Services and Health Sector standards applicable to Electrical, High Voltage and Communication Systems. Nilsen are also part of the Defence Industry Security Program.

- NEXT DC M2 Data Centre: Stage 1 – Winner of 2018 VIC NECA Award for Best Medium Commercial Project
- Bendigo Hospital & WEBB Dock Data Communications including CCTV and AV – VIC NECA Award Winner
- St John of God Hospital
- OCS Packages for Metro Trains
- Various Education and Defence Communications Installations

### NEW SOUTH WALES

- University of Technology Sydney (UTS) Central, Broadway and CB04
- UTS Faculty of Science and Graduate School of Health – Winner of 2015 NSW NECA Award for Best Large Commercial Project
- NSWRL
- ANSTO
- Land 17 (Defence)

### SOUTH AUSTRALIA

- Air7000 HMOF and OCF for Defence
- GPO Tower
- South Australia Health and Medical Research Institute (SAHMRI) – Winner of 2014 SA NECA Award for Best Large Commercial Project

### QUEENSLAND

- Robina Hospital (QH)
- Queensland Institute of Medical Research SSMRC
- Mackay Hospital (QH)
- Police and Department of Justice Facility Data Upgrade
- 21 Construction Precinct RAAF Amberley
- Powerlink Data Centre, Brisbane
- CASA Headquarters Brisbane Airport
- South Bank Institute of TAFE

### WESTERN AUSTRALIA

- Telethon Kids Institute
- Roy Hill Operations Centre
- Perth Stadium Telecommunications – Winner of 2018 National NECA Award for Australia's Best Large Commercial Project

### NORTHERN TERRITORY

- Parliament House Darwin
- Northern Territory Convention Centre
- Installation & Maintain PWC/Optus Fibre Optic Network for last 20 years
- Northern Territory Secure Facility (NTSF Jail) – Winner of 2014 Master Builders NT Award for Excellence
- Arnhemica House – Winner of 2012 Master Builders NT Award for Excellence
- 1CSR, Single Leap, 1st Aviation and 1st Command, Air Traffic Control Tower Tindal and Delamere Bombing Range for Defence





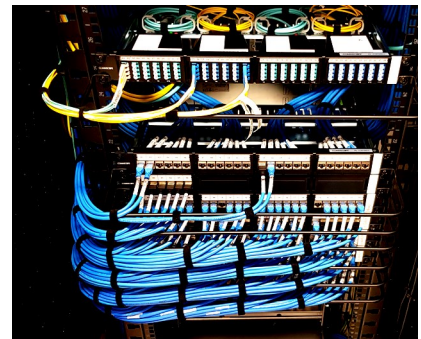
## NATIONAL COMMS PROJECT SPOTLIGHT: THALES EVCS

Nilsen were awarded the Hardware Installation package for the **Early Voice Communication System (EVCS) Project** from Thales Group in September 2017. The EVCS project will provide initial Civil Military Air Traffic Management (CMATS) voice communication system capabilities into the current Airservices Australia TAAATS (The Advanced Australian Air Traffic System).

Primarily, Nilsen completed the EVCS equipment installation and cabling into Airservices Australia facilities in Brisbane, Melbourne, Sydney and Perth. This included installation of EVCS equipment into the existing consoles and existing equipment rooms at Airservices Australia sites.

This was a large, complex and nationally significant project that required the highest levels of technical excellence. Nilsen's work met all specified requirements and was completed professionally, diligently, safely, on time and was of an extremely high quality. The Nilsen Networks team also further developed their staging and planning techniques which were crucial in the execution of this segmented multi-site installation across the country.

The project has also been nominated for the 2019 NECA Award for Best Communications project.



## NATIONAL COMMS PROJECT SPOTLIGHT: COLES I.T. REFRESH PROGRAM

Nilsen began the **Coles Supermarkets and Liquor business I.T. Refresh Program (LCM)** upgrade of Access Point Hardware Products in June 2014, with the project concluding five months later.

Nilsen's scope included designing wireless predictive surveys; staging and dispatch of 8000+ access points, 500+ switches and 1000+ UPS's from the Nilsen Integration and Staging Warehouse and installation and commission of site data cabling/hardware for 700+ supermarket stores nationally.

This project is a fantastic example of great team work between Coles and the Nilsen group nationally, to deliver this enormous project on time and on budget.



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CELEBRATING 100 YEARS  
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