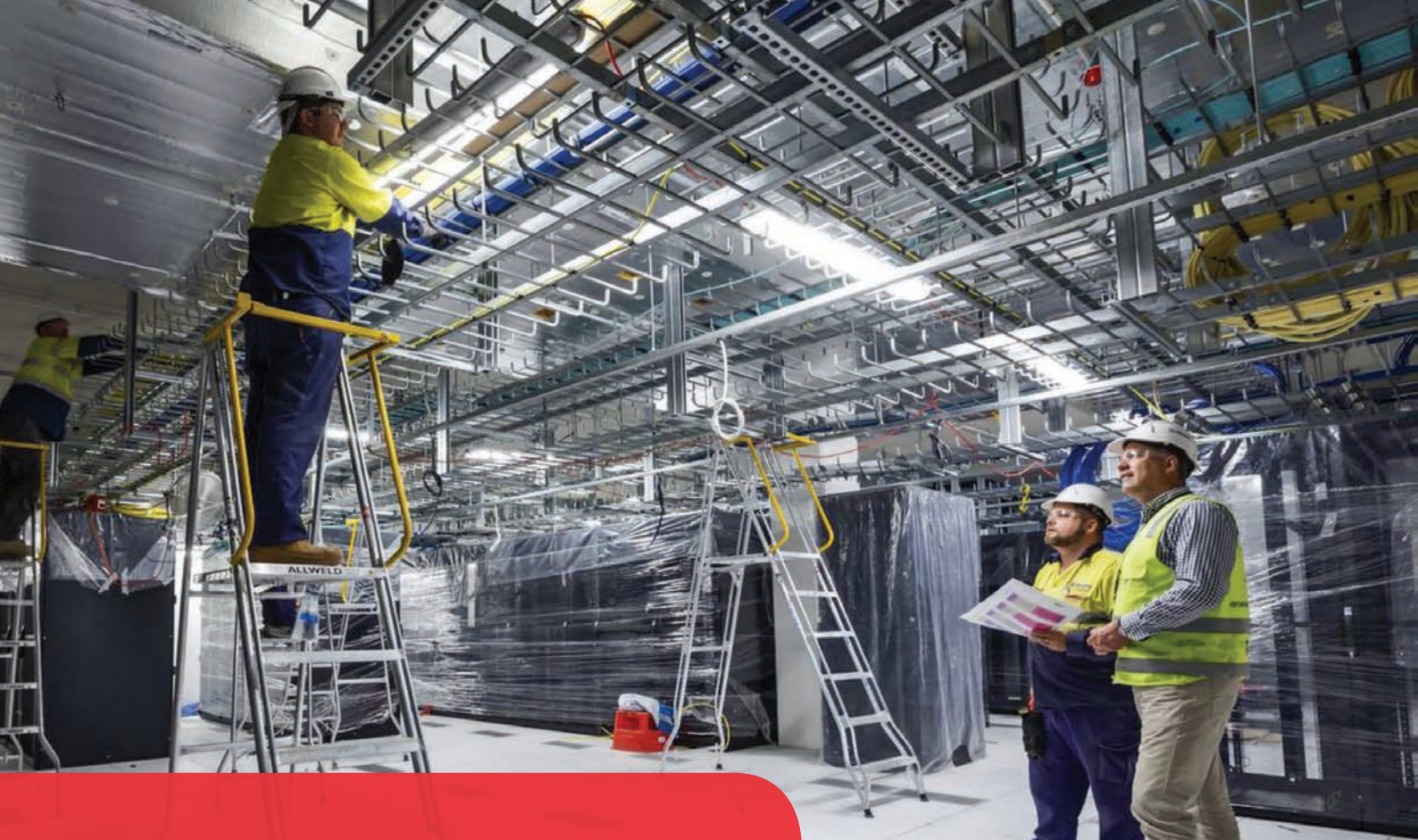


# DEFENCE

SPECIALIST EXPERTISE  
IN ELECTRICAL AND  
COMMUNICATION  
DEFENCE PROJECTS







# OUR HISTORY

**Founded in 1916, Nilsen are a 4th generation family owned electro-technology organisation. Nilsen are the industry leaders in:**

- Electrical construction and engineering
- Power distribution switchboard manufacturing and design
- Preventative and predictive maintenance
- Testing and commissioning complex electrical systems
- 100+ years of Nilsen tradition – quality, reliability and service

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 also partner with strategic global suppliers to provide comprehensive design and installation services, facilitating the best possible innovative engineering solutions. Nilsen prides itself on completing projects on time and within budget and have the experience and ability to assist with innovative design, which aids cost reduction, without diminishing operational requirements at final completion.



ELECTRICAL AND  
COMMUNICATIONS  
SPECIALISTS  
ON DEFENCE  
PROJECTS



NATIONAL  
COMPANY

OVER **100**

**YEARS IN  
BUSINESS**

AUSTRALIAN  
OWNED

**1,700**  
EMPLOYEES

WE UNDERSTAND THE NEEDS  
AND REQUIREMENTS OF  
WORKING WITHIN ESTABLISHED  
DEFENCE FACILITIES



ADVANCED COMPANY-  
WIDE NATIONAL  
SAFETY SYSTEMS



EXTENSIVE KNOWLEDGE  
OF DEFENCE STANDARDS  
MIEE AND DCCS



DEFENCE INDUSTRY  
SECURITY PROGRAM  
ACCREDITATION





# OUR PEOPLE

Nilsen have a strong and stable workforce of 1,700+ trade and support staff with Federal Government ABCC compliance. Many of our employees have 25 or more years' experience with Nilsen.

Our abilities have been gained through staff knowledge and application of the Defence's MIEE and DCCS. Our team has extensive knowledge of the Defence Standards applicable to electrical, high voltage and communication systems. Nilsen is Defence Industry Security Program accredited.



# OUR CAPABILITIES

**Nilsen is able to offer the design, installation and commissioning of:**

- Original equipment manufacture of maritime switchboards
- Defence high voltage reticulation systems
- Defence communication systems, including DVN, DRN, DSN, DESN and TS
- Lighting control systems
- Runway lighting systems
- UPS systems
- Hazardous areas
- General lighting and power reticulation
- 3D design and modeling
- Testing facilities
- 24/7 life cycle support
- Commissioning complex integrated systems
- Predictive and preventative maintenance
- Modernisation and upgrades
- Customisation specialists
- Project management



# OUR EXPERIENCE

**Nilsen have been the major electrical and communications contractor on many Defence projects and have gained experience from a range of diverse and varied project scopes, including but not limited to:**

- Submarine propulsion and DC generation switchboards
- Submarine control cabinets
- Frigate fitouts
- Ship to shore wharf installations
- Airbase and airside installations
- Secure communication systems
- Barrack accommodation
- Extensive infantry base substation projects
- Naval shipyard infrastructure
- Maritime switchgear preventative maintenance

Nilsen have a practical, advanced company-wide national safety system accredited to AS 4801 and follow the mantra of ZERO HARM.

# 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 are experienced in working on Defence bases and are equipped to implement plant and security related preventative measures. We prepare a site specific safety plan in accordance with site requirements for every project and complete internal audits on a monthly basis.







# PREVENTATIVE MAINTENANCE

Nilsen offer the convenience of a single-source maintenance and services partner for Defence projects, both during the defects liability period and thereafter. Nilsen has identified more than sixty specialist services that comprise our engineering services 'end to end' package, including preventative services such as electrical load surveys, plans for improving power usage economy, protection system analysis and grading, equipment inspection to identify actual and potential problem areas, power factor and harmonic surveys, engineering reports, system management recommendations, proposals and costings for comprehensive maintenance plans and implementation.





# PROJECTS

## Defence projects completed by Nilsen include:

- Propulsion and DC generation switchboards for Collins Class submarines
- Air7000 Phase 2B – Maritime Patrol Aircraft Replacement project
- Australian Marine Complex Eastern Wharf upgrade
- Defence Logistics Transformation Project (DLTP), Townsville
- Enoggera Barracks Mess and HQ and the ELF2B redevelopment
- 3RAR Townsville
- 21 construction at RAAF Amberley
- JLU Armoury
- C Squadron, Townsville
- LAND 121 Lavarack Barracks, Townsville
- Defence Logistics Transformation Project (DLTP), Moorebank
- RAAF Base Williamtown
- Wallangara Defence Communications
- Edinburgh RAAF Base HNA Stage 2 (SP1,2,3,4), C17 project and HV cable repairs
- HNA-HC4 range upgrade Murray Bridge
- Delamere Works project
- BAE Systems 50Hz & 60Hz Nelson pier upgrade
- MRH90 Simulator Facility, Townsville
- Larrakeyah Barracks Naval Base Wharf extension
- DSTO Salisbury HV Reticulation upgrade
- DSTO EOP upgrade
- Robertson Barracks aviation project, command project, 1 CSR and APIN works projects
- Single Leap Larrakeyah and Robertson Barracks projects stage 1 and 2
- Tindall RAAF Base Airfield lighting
- Darwin and JASSM store upgrade
- RAAF Base Darwin PAPI installation, PCMS and Medical Centre
- Shoal Bay Receiving Station Darwin UPS upgrade
- Pearce RAAF Base HV infrastructure upgrade, Fuel Farm and Base Element WandK
- BAE Systems Ship to Shore Wharf project
- Simpson Barracks
- Woomera Range safety and control system remediation project



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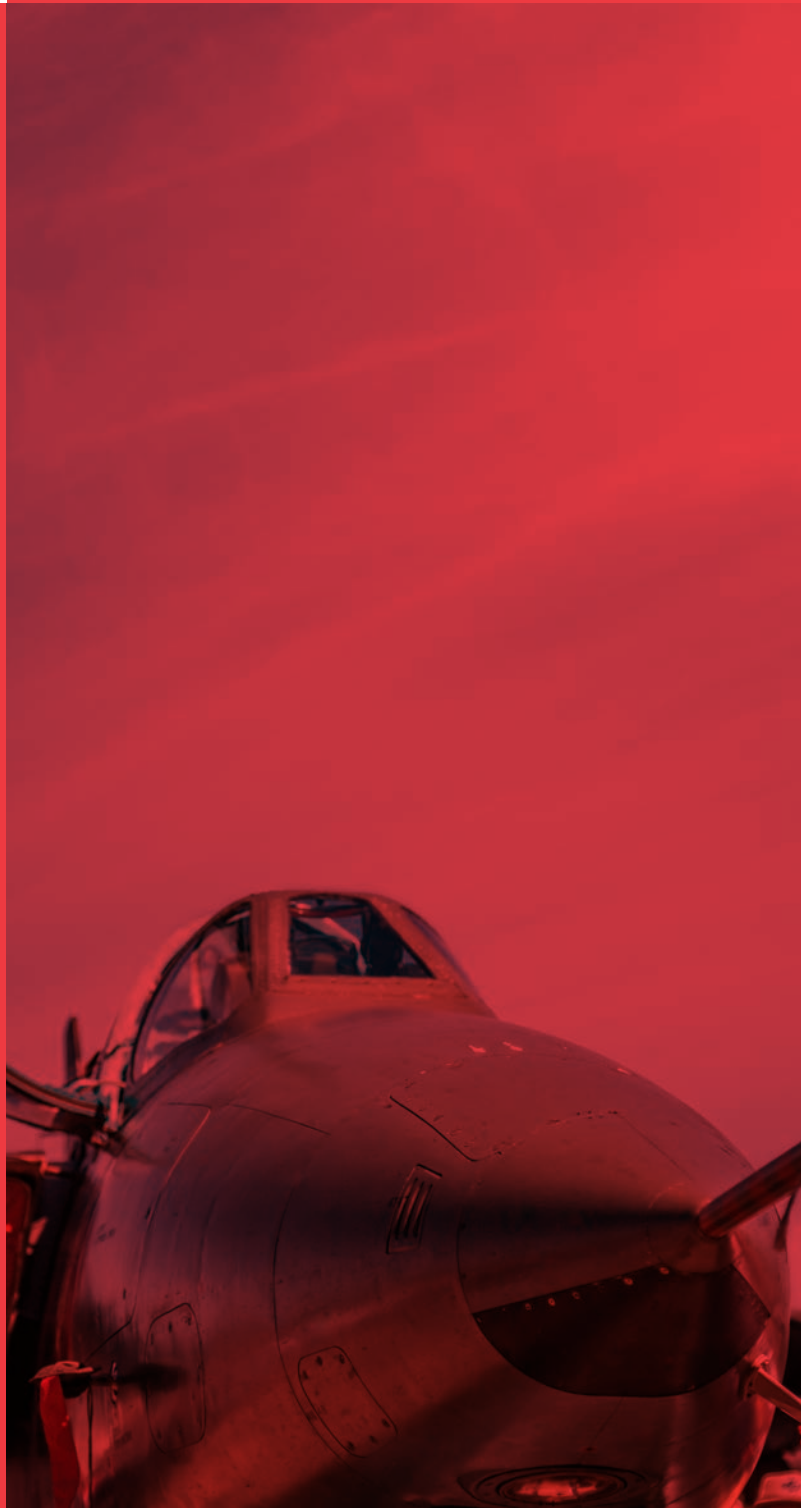
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