# Bio - Alexander James Knewstubb (Alec)

Born 1957

Married (1980); two adult children

Resident of Port Chalmers, Otago, New Zealand, since birth

**Electrical installations industry**

* Working in NZ electrical contracting industry for over 49 years
	+ commenced apprenticeship as electrician 20 Jan 1975
	+ Trade certificate in General Electrical Wiring
	+ Registered as Electrician 8 June 1979 under Electricians Act 1952
	+ New Register from 11 Nov 1980 under Electrical Registration Act 1979
	+ Registered as Inspector 18 May 1994 under Electricity Act 1992
	+ Licenced as Inspector under Electricity Act 1992 ; and continuously since.
	+ National Certificate in Electronic Security

**Electrical Home & Commercial services**

* 1975 – 1979 Apprentice, then Electrician

**Ellis Hardie Symynton**

* 1979 – 1981 Electrician, specialising in refrigeration

**Minstry of Works (later Works Maintenance & Construction Services, then SERCo**

* 1981 – 1992 Electrician

**Self-employed Electrical Contractor**

* since 1992, including inspection services since 1994; based in Dunedin, NZ.
	+ installations & repairs
	+ consulting on electrical safety
	+ providing Q&A service on “rules”
	+ preparing & presenting seminars on changes to Regulations & Standards
	+ EcoSmart registered since 2008

**Independent Qualified Person (IQP)**

(South Island register) for several types of specified system (retired 2023)

* SS2 fire alarms 1994 -
* SS 4 emergency lighting 1994 -
* SS 9 mechanical ventilation 1994 -
* SS 14-1 emergency power for above systems 1994 -
* SS 14-2 signs for above systems 1994 -
* SS 15-2 final exits 2018 -
* SS 15-4 signs for evacuation 2018 -

**ECANZ/Master Electricians**

Contractor member of Electrical Contractors Association of NZ (Otago Branch)

* Joined Aug 1992; Member #1488
* Served on Otago Branch Committee 1994 - 2006
* Branch Chairperson 2000 (50th anniversary)

 Chairman of Master Electricians NZ Standards Committee since 2009

* Lobbying for, and preparing industry submissions on proposed, changes to relevant Regulations and Standards

Contracted consultant on Regulations & Standards(supporting Technical Advice team)

* 2009 - present

3 years as special judge (testing) for ECANZ Apprentice Challenge competition

Presenter for bi-annual competence refresher courses

* 1997 - 1999

Road show presenter (and preparer) for Changes to Regulations & Standards

* 2008 - present

Master Electricians NZ membership Quality Assurance reviewer

* 2014 –
* Ensuring branded members have adequate business systems in place, including up-to date editions of Act, Regulations, and Standards relevant to type(s) of work undertaken.

**Member; Electrical Safety NZ (since 1998)**

* Industry organisation, predominately Electrical Inspectors
	+ Board member 2015 –
	+ President 2019 –

**Participating Member of several Standards Committees**. **Representing ECANZ**

Including:

* EL 001 (commenced 2008) AS/NZS 3000 Electrical Installations
* EL 001 Executive Committee
	+ Elected 1 of 2 members representing the technical committee
* EL 001-07 NZ subcommittee
* EL 001-10
	+ AS/NZS 3008 Electrical Installations: selection of cables
* EL 001-24
	+ AS/NZS 3010 Electrical Installations: Supply by generating set
* EL 001-17-1
	+ AS/NZS 3012 Electrical Installations: construction & demolition sites
* EL 001-17-G
	+ AS/NZS 3001 series: Electrical Installations: connectable installations
* EL 001-17-3
	+ AS/NZS 3002 Electrical Installations: shows & carnivals
* EL 0-01-21
	+ AS/NZS 3017 Electrical Installations: verification
	+ AS/NZS 3019 Electrical Installations: Periodic assessment
* EL 044
	+ AS/NZS 4836 Safe working on or near low-voltage electrical installations and equipment
* EL 057
	+ AS/NZS 3004 series Electrical installations: Marinas & boats
	+ (currently drafting leader for revision)
* EI IAG
	+ (SNZ) Electrical Installations Industry Advisory Group

**Extra-industry roles & qualifications**

1977 Commissioned into NZ Cadet Forces (Sea Cadets)

retired 1989; rank of Lieutenant Commander

1986 Qualified (NZ Ministry of Transport): Boatmaster

1986 Qualified (NZ Ministry of Transport): Master of Pleasure Yacht (Coastal)

Member; Port Chalmers Yacht Club since 1967

Including several terms, totalling approx 25 years, on Committee

Committee member, Otago Yachting Association

 Several terms as PCYC delegate,

 Terms as Vice President, President, and Treasurer

Qualified as Yachting NZ National Judge and Regional Race Officer 2005 - present

Bowel cancer survivor 2000 - present