

Small Part 146 Design Organisations (16 or less staff)

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NTech (DO 39160)

Statistics: Part 146 Sizes in New Zealand

- 12 Design Organisations in New Zealand
 - 8 of which are classified as small, as listed:

Company	Staff	Delegated Authorities
Aero Design Ltd	< 5	1
Airwork (NZ) Ltd	10	5
Alpha Aviation Concept Ltd	< 5	1
Flight Structures Ltd	10	2
NTech Ltd	9 - 11	1
Pacific Aerospace Ltd	15	4
Safe Air Ltd	10 - 16	3
Techair Ltd	< 5	1

Bare minimum size for a Part 146

- Smallest size realistically: 5 persons
 - 3 Senior persons:
 - Chief Executive Officer (CEO)
 - Design Control (DO)
 - Quality Assurance (QA)
 - Delegated Authority (DDH)
 - At least one more to prepare paperwork, admin, etc.

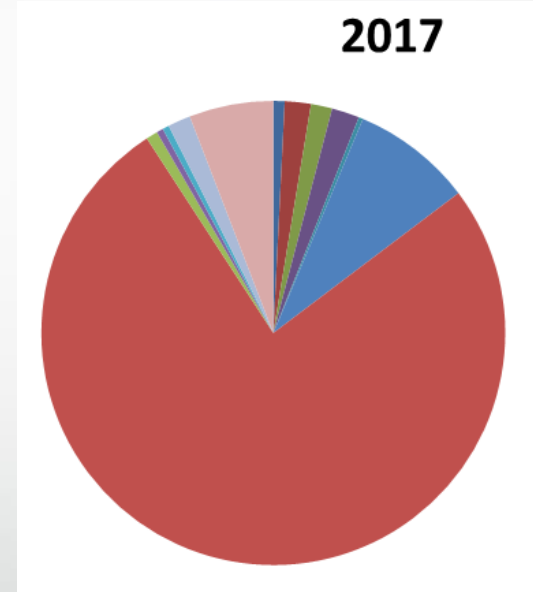
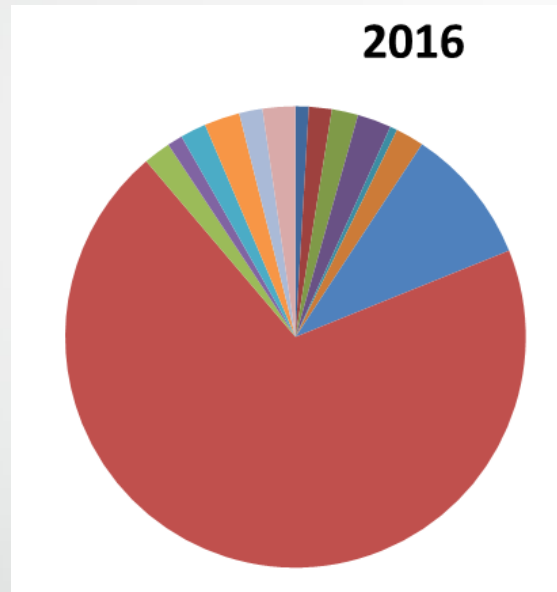
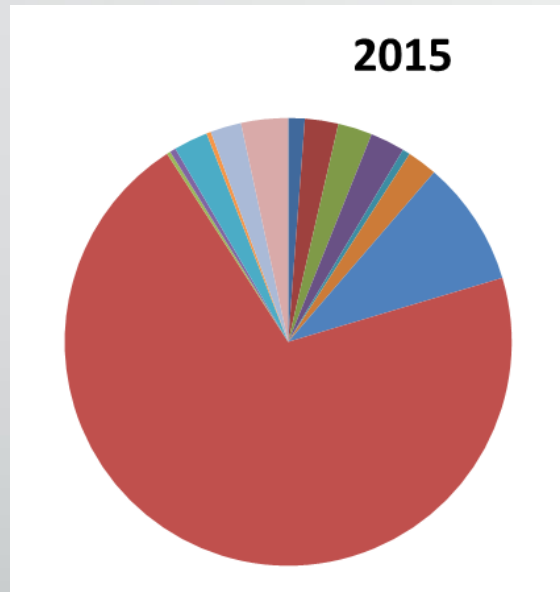
Issues with small companies

- Breadth of specialist certification skills can be limited.
- Independent checking is limited.
- Internal training of new staff limited.
- Long term viability of the company limited due to staff leaving for larger companies.

NTech Engineers (collectively 115y)

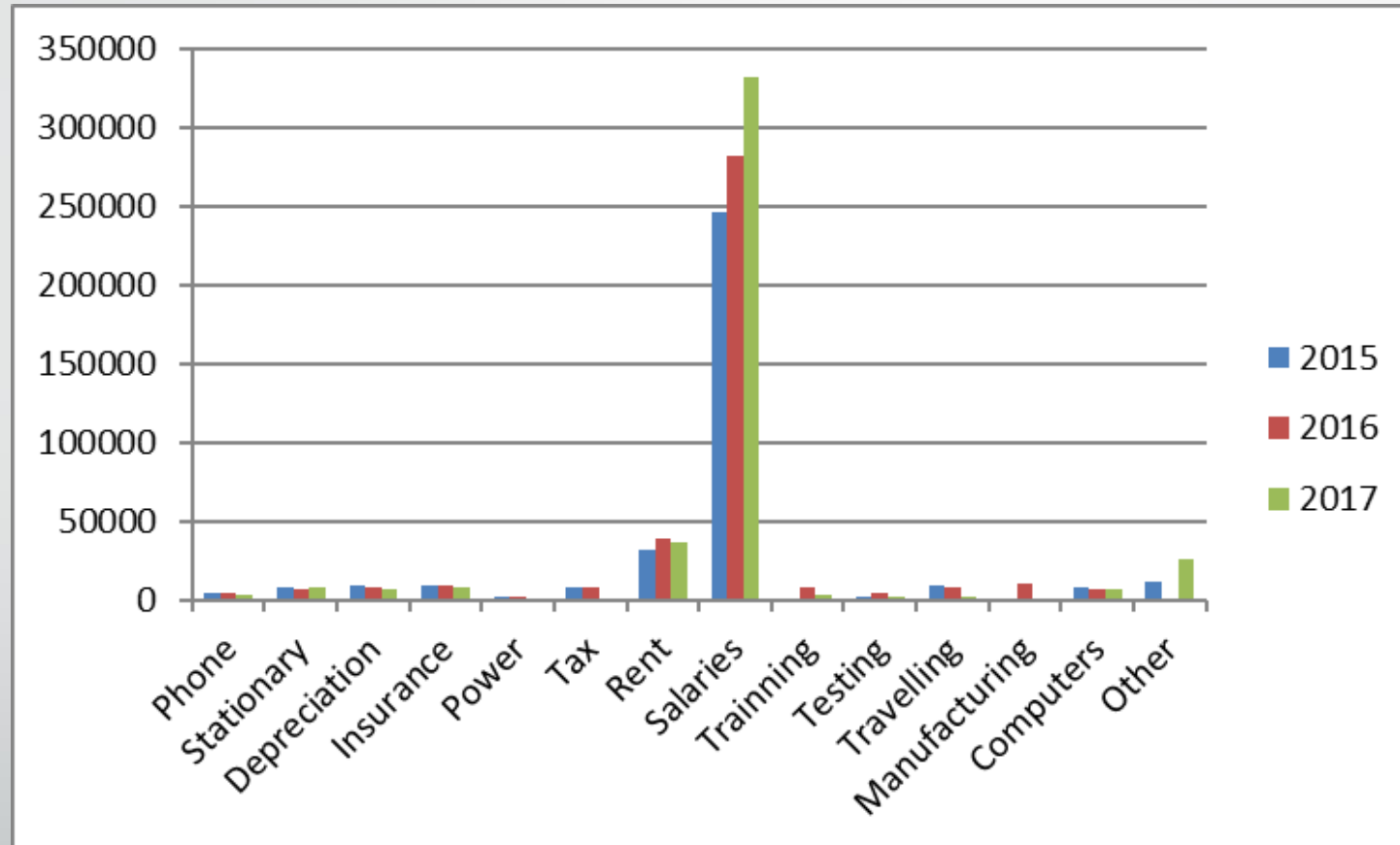
Richard Andrews	Bob Beck	Terence Denton	Ben Vos	Dave Prior	Emma Sinnott	James Cunningham	Quinton Howard-Tripp	Juliane Blank	Callum Ryan
Director	Director	Director							
CEO			Design Controller						
Senior >25y	Senior >12y	Senior >15y	Senior 25y	Senior >30y	Intermediate >2y	Intermediate >2y	Intermediate >2y	Junior >1y	Junior <1y
3-4 days/wk	On call	3 days/wk	4 days/wk	On call	On call	full	full	full	full
Delegated – NZ Airwork PAL Ntech	Delegated – NZ PAL	SOC	SOC	Delegated – CASA Dasy Avionics					
Flight Testing - Rotary A/C Design/ Production Support Avionics Electrical Powerplant Repairs	Mechatronics	Aerodynamics Acoustics CFD	Fatigue DTA Interiors Structures	Avionics Electrical CASA STC	'C' Cat Fixed Instructor Flight Testing - Fixed			Aerodynamics	

Expenses



- Phone
- Stationary
- Depreciation
- Insurance
- Power
- Tax
- Rent
- Salaries
- Training
- Testing
- Travelling
- Manufacturing
- Computers
- Other

Expenses



Thank you

