Comsol Limited

COMPLIANCE SOLUTIONS

Portfolio

2026

Hazardous substances compliance certification and consultancy for councils, manufacturers and infrastructure operators, New Zealand wide.



Compliance with confidence

021 375 437 · shirley@comsol.org.nz
comsol.org.nz · Working New Zealand wide

ABOUT

Shirley Munro

COMSOL

I am a WorkSafe authorised compliance certifier. My work is to look at a site honestly, say what the regulations actually require, and help the people responsible get there.



I founded Comsol Limited in September 2025 after years in hazardous substances compliance, and I certify and advise New Zealand wide. My clients are councils running water and wastewater treatment plants, manufacturers holding bulk chemicals, airports, contractors and conservation teams on offshore islands, anywhere hazardous substances are stored, used or handled.

I am also a professional consultant to major firms. The cheapest compliance is the compliance you design in. Getting separation distances, bunding, ventilation and tank specification right before construction costs a fraction of correcting it once the concrete is poured, and avoids a finished asset that cannot be certified. Just as often I am brought in to bring an existing operation up to compliance: working through what is on site, what the regulations require, and the shortest honest path between the two.

What clients tell me they value is plain answers. A regulation number is not an instruction. My reports name every item and point to the requirement behind it, so the people doing the work know what is being asked and can show that it is done.

BEYOND CERTIFICATION

I am a committee member of the New Zealand Certifiers Society (NZCERTS) and an Associate Member of Electrical Safety New Zealand (ESNZ), which endorses Comsol. I provide guidance to WorkSafe on regulatory positions.

AUTHORISATION

- WorkSafe Authorised Compliance Certifier TST100248
- Comsol Limited, New Zealand
- Listed on the public WorkSafe Register of Compliance Certifiers

CERTIFICATES I CAN ISSUE

- Location certificates, Classes 1 to 8
- Stationary container systems, existing and new
- Tank design certification
- Fabricator certification
- Tank wagons

HOW I WORK

Only what is required

A finding only stands where the requirement itself is unmet. No padding, no house keeping dressed up as a failure.

Name every item

Each location assessed item by item, with the requirement behind it, so your team knows what is being asked.

Track it to the certificate

Every outstanding item becomes an action you can upload evidence to and get an answer on.

WHERE I WORK

Industries and sites

Drinking water & wastewater

Council treatment plants holding chlorine, hydrogen peroxide, potassium permanganate, aluminium sulphate and caustic.

Food & beverage manufacturing

Bulk acid and oxidiser tanks, process pipework, hazardous substance locations inside operating plants.

Fertiliser & agri-chemicals

Large storage sites, segregation of incompatible substances and emergency response planning.

Metals recycling & processing

Flammable liquids, gas cylinders and workshop storage across multi-site operations.

Aviation & airports

Fuel and generator installations, standby power and airside plant.

Construction & civil infrastructure

Site fuel storage, plant yards and temporary locations for major contractors.

Conservation & island sites

Remote field bases and huts, fuel and pest control substances where resupply is by boat or helicopter.

Tertiary education & research

Laboratory and campus storage, class 6 and class 8 substances in shared buildings.

Transport & fuel storage

Tank wagons, above and below ground tanks, dispensers and refuelling installations.

Vehicle refinishing & spray booths

Paint mixing rooms, booth ventilation and flammable liquid thresholds.

Facilities & asset services

Contractors managing hazardous substances on behalf of asset owners across many sites.

Fireworks & Class 1

Explosives locations and display work under the class 1 controls.

IN THEIR WORDS

> “Thank you so much for your help, I am truly grateful and would be lost without you.”
>
> Food manufacturing, April 2026

> “It was lovely talking, I learnt a lot.”
>
> Health and safety manager, local government, August 2026

> “Your detailed summary spreadsheets remain the Compliance KPI's (single source of truth).”
>
> Project manager, local government water treatment, May 2026

> “That's perfect. Nothing more needed on this specific check.”
>
> Project manager, local government water treatment, June 2026

CREDENTIALS

Authorisation and qualifications

CERTIFICATES I AM AUTHORISED TO ISSUE

- Location certificates, Classes 1 to 8
- Stationary container systems
- Stationary container system design
- Stationary container system fabrication
- Tank wagons, in-service and pre-commissioning

QUALIFICATIONS

- Massey University qualifications in hazardous substances compliance and toxicology
- Bachelor of Education (Commercial Law), University of Pretoria
- Postgraduate Diploma in Information Technology (Cum Laude), University of Johannesburg

PROFESSIONAL STANDING

- Committee member, New Zealand Certifiers Society (NZCERTS)
- Associate Member, Electrical Safety New Zealand (ESNZ)
- Comsol is endorsed by Electrical Safety New Zealand (ESNZ)
- Listed on the public WorkSafe Register of Compliance Certifiers

FREE TOOLS AND RESOURCES

Built by Comsol and free to use, whether or not you are a client.

Calculators and more
Quantity and threshold calculators, site plan checklists, Export to Excel.

Site plan checklist
Check a site plan against what a certifier will look for before you submit it.

ERP checklist
Emergency response plan self check against regulations 5.7 to 5.13.

HSNO / GHS lookup
Classification lookup for substances you hold on site.

Incompatible substances reference
Quick segregation reference for planning storage and separation.

Inventory creator
Guided help building an inventory from what you hold on site.

Guidance booklets
Plain language booklets, starting with class 5.1 controlled zones and documented procedures.

Video guidance
Short compliance explainers on YouTube at @ComplianceCertifier.

comsol.org.nz/tools · all tools free to use

Training

Training written and delivered by a practising compliance certifier, so what your people learn is what a certifier will look for on site.

01

The Fundamentals of Compliance

A HIGH-LEVEL GUIDE TO COMPLIANCE AND CERTIFICATION

A practical, regulation-grounded training course for anyone working with or around hazardous substances in New Zealand workplaces, covering compliance certificates, location requirements, key documents, physical controls by substance class, and where to find authoritative information. Grounded in the HSW (Hazardous Substances) Regulations 2017 and the WorkSafe NZ Performance Standard 2021, with the opportunity to put your questions to a compliance certifier.

In person or online

02

Chemical Handler training

REGULATION 4.5

Hazardous substance training under regulation 4.5 for workers who handle them, covering classes 2.1.1, 2.1.2A, 3, 4, 5, 6 and 8, with a shorter class 2.1.1, 2.1.2A and 3.1 chemical awareness course for sites holding only gases and flammable liquids. Certificates issued on completion.

In person or online

03

Stationary Container Systems

INSTALLATION, PART 17

The requirements of the Health and Safety at Work (Hazardous Substances) Regulations 2017, Part 17: tanks, bunding, pipework and what an installation has to meet before it can be certified. A course you will not find anywhere else, built from certification work on real installations.

In person or online

In person or online

Run on your site for a team, or taken online at each person's own pace.

Material updates included free

The regulations move. When a course is updated, everyone who has taken it gets the new material at no cost.

Permanent access

Keep your login for good, with reference links and downloadable resources to use back on site.

Training is booked directly with Comsol. Team sessions are run on your site around your shift pattern, and online enrolments are set up for each person by name.

WHAT COMSOL DOES

Services

01

Location compliance certificates

Classes 1 to 8. Site assessment, a written report naming every item, and certification once the requirements are met, including conditional certificates where a site needs time.

02

Stationary container systems

Existing and new above and below ground tanks, process containers, dispensers, burners and vapourisers, with installation, repair and alteration certification, and tank wagon assessments.

03

Tank design certification

Design certification under regulation 17.93(1)(a) for tanks up to 60,000 L, submitted to WorkSafe and added to the register of designs with a TNK number.

04

Approved fabricator certification

Certification of fabricators of stationary tanks and process containers, including adding new designs to an existing approval.

05

Consultancy

Inventory assistance, site plans, standard operating procedure guidance, class 5 controlled zone and documented procedure assistance, emergency response plan review, hazardous area classification and gap analysis ahead of certification.

06

Pre-construction advice

Review of layouts, separation distances, bunding, ventilation and tank specification before you build, so the finished asset can be certified.

Training and ongoing support · courses on the previous page, plus answers to compliance questions between visits.

HOW AN ENGAGEMENT RUNS

1

Scope and quote

A written quote against what the site actually needs, with hold points so you are never committed to the next stage before you have seen the result of the last.

2

Site visit and report

An on site assessment and a summary report for each location, naming every outstanding item against the requirement behind it.

3

Actions, evidence, certificate

Every item tracked as an action you can upload evidence to and get an answer on, through to issue of the compliance certificate.

Shirley Munro

Director & Compliance Certifier

WorkSafe Authorised Compliance Certifier TST100248

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