

OLYELECTRA Safety, Compliance & Sustainability Brief

A public framework for responsible renewable-energy decisions, product evidence and secure systems

Document code	OLYE-PUB-SCS-001	Version / effective date	2.0 / 2 August 2026
Classification	Public / business review	Document owner	OLYELECTRA — OLYVENRA LTD
Language	English	Status	Publication-ready / controlled master
Purpose			
This brief describes a risk-based governance model. It is not legal, engineering, regulatory, environmental or financial advice and does not replace project-specific review by competent parties.			

Project and regulatory gate

- Verify the sponsor, contracting entity, site rights, project boundary, procurement route, countries, counterparties and decision authority.
- Identify planning, environmental, construction, grid, market, product, transport, waste, labour, data and other jurisdiction-specific requirements and responsible owners.
- Treat a grid application, incentive assumption or marketing certificate as unapproved until the competent authority and exact scope are confirmed.

Electrical, storage and fire safety

Assess the complete system and site: structural, electrical, earthing, protection, arc-flash, thermal, fire, emergency access, operating and maintenance risks.

For battery systems, define the use case and duty cycle, cell-to-system provenance, operating limits, degradation/augmentation, thermal management, propagation controls, detection, isolation, emergency response, transport and end-of-life responsibilities.

Product, quality and performance evidence

- Match every claim to the exact manufacturer, model/configuration, production site, report, certificate, test condition, warranty and revision.
- Control substitutions, bill-of-material or software changes, nonconformance, commissioning, acceptance, handover and as-built records.
- Separate forecast from measured performance and state resource/load data, model, losses, degradation, availability, curtailment, uncertainty, baseline and verification method.

Responsible sourcing and circularity

Review critical materials, batteries, forced and child labour, human rights, chain of custody, carbon/environmental evidence, producer responsibility, take-back, recycling and waste routes proportionately to role and jurisdiction.

Plan spares, repair, augmentation, repowering, dismantling and material disposition before procurement so lifecycle obligations are visible in the commercial decision.

Environmental and social responsibility

Screen land, biodiversity, water, climate resilience, noise, visual, cultural heritage, community, indigenous and labour impacts early. Use qualified specialists and documented stakeholder processes where the risk requires it.

Secure digital energy systems

Define data ownership, control authority, remote access, authentication, network segmentation, logging, patching, backup, supplier access, incident response, hosting countries and retention across EMS, SCADA, charging and asset-monitoring systems.

Continuous review

Laws, standards, grid codes, product configurations and official guidance change. Each project uses the current applicable text, correct edition and exact product evidence at the relevant decision stage.

Eight evidence gates before an opportunity can become a qualified project.

Review depth is proportionate to technology, capacity, jurisdiction, site, stakeholder and transaction stage. Referenced standards apply only where required by contract, competent authority or local code, using the correct edition and scope.

- 1. Sponsor, authority & project boundary** - Legal entity, authorised requester, decision-makers, project purpose, ownership model, procurement route, capacity boundary and success criteria.
- 2. Site, resource & demand data** - Site rights, surveys, climate/resource data, interval loads, critical loads, access, logistics and data-quality/uncertainty statements.
- 3. Permitting, environment & community** - Planning, environmental and social screening, biodiversity, land/community impacts, cultural heritage, labour and stakeholder responsibilities.
- 4. Grid & system integration** - Connection point, queue/application status, grid studies, export/import limits, protection, metering, power quality, control and curtailment assumptions.
- 5. Technology & supplier evidence** - Legal manufacturer, exact model/configuration, current reports/certificates, factory/site references, warranties, degradation, service capability and change control.
- 6. Safety, quality & cybersecurity** - Design risk, electrical/fire/emergency strategy, HSE and quality plans, acceptance tests, secure architecture, access and incident/recall processes.
- 7. Commercial & bankability case** - Price basis, exclusions, schedule, yield/savings methodology, offtake/tariff, tax/incentive, financing, insurance, availability and sensitivity assumptions.
- 8. Operations & circular lifecycle** - O&M, spares, monitoring, performance verification, warranty, augmentation/repowering, take-back, recycling, decommissioning and record retention.

Official reference framework

Primary official sources used for the public governance framework. Their current text and transaction-specific law always prevail.

- [IRENA - Renewable Capacity Statistics 2026](#)
- [IEA - Renewables 2024](#)
- [IEA - Electricity 2026: Grids](#)
- [IEC 61215-1 - Terrestrial PV module design qualification](#)
- [IEC 61730-1:2023 - PV module safety qualification](#)
- [IEC 62446-1 - Grid-connected PV documentation and commissioning](#)
- [IEC 62933-1:2024 - Electrical energy storage systems](#)
- [IEC 61851 series - Electric vehicle conductive charging](#)
- [IEC 62443 series - Industrial automation and control system security](#)
- [European Union - Directive \(EU\) 2023/2413, Renewable Energy Directive](#)
- [European Union - Regulation \(EU\) 2023/1542 on batteries and waste batteries](#)
- [European Union - Regulation \(EU\) 2024/1735, Net-Zero Industry Act](#)
- [IFC - Performance Standards on Environmental and Social Sustainability](#)

Do not send credentials, detailed grid models/settings, critical-infrastructure diagrams, personal identity documents, commercially restricted data or other security-sensitive information through the public form. Sensitive evidence is exchanged only after due diligence through an approved channel.

Project governance: public categories do not confirm stock, representation, certification, connection capacity, permit eligibility, incentive, yield, savings, emissions impact, price or finance. These are verified for the exact project, product, jurisdiction and transaction stage.