

NUSLUME™ Capability Overview

Integrated Off-grid & Hybrid Microgrid Solutions

ENERGY RESILIENCE

SMART INTEGRATION

LOCAL DELIVERY

NUSLUME™ is Nusfun Pty Ltd's integrated energy solution platform for off-grid and hybrid microgrid applications. It is designed to combine generation, storage, backup power and intelligent controls into one coordinated system suited to project requirements.

Nusfun leads the Australian market, customer engagement, commercial coordination, project integration and local delivery. Shanghai Jinjiang Electronic Technology Engineering Co., Ltd. provides technical support and coordinates supply-chain resources from China.

Core Capabilities

System Integration

PV, battery storage, generators, grid connection where available, and site loads integrated under one system architecture.

Energy Management

EMS-based monitoring, dispatch logic, priority-load management, peak control and operating strategy tailored to the site.

Application Engineering

Load profiling, preliminary system sizing, operating-mode definition, redundancy considerations and solution optimisation.

Supply-chain Coordination

Technology and equipment sourcing coordinated across multiple qualified suppliers rather than dependence on one brand.

Australian Market Delivery

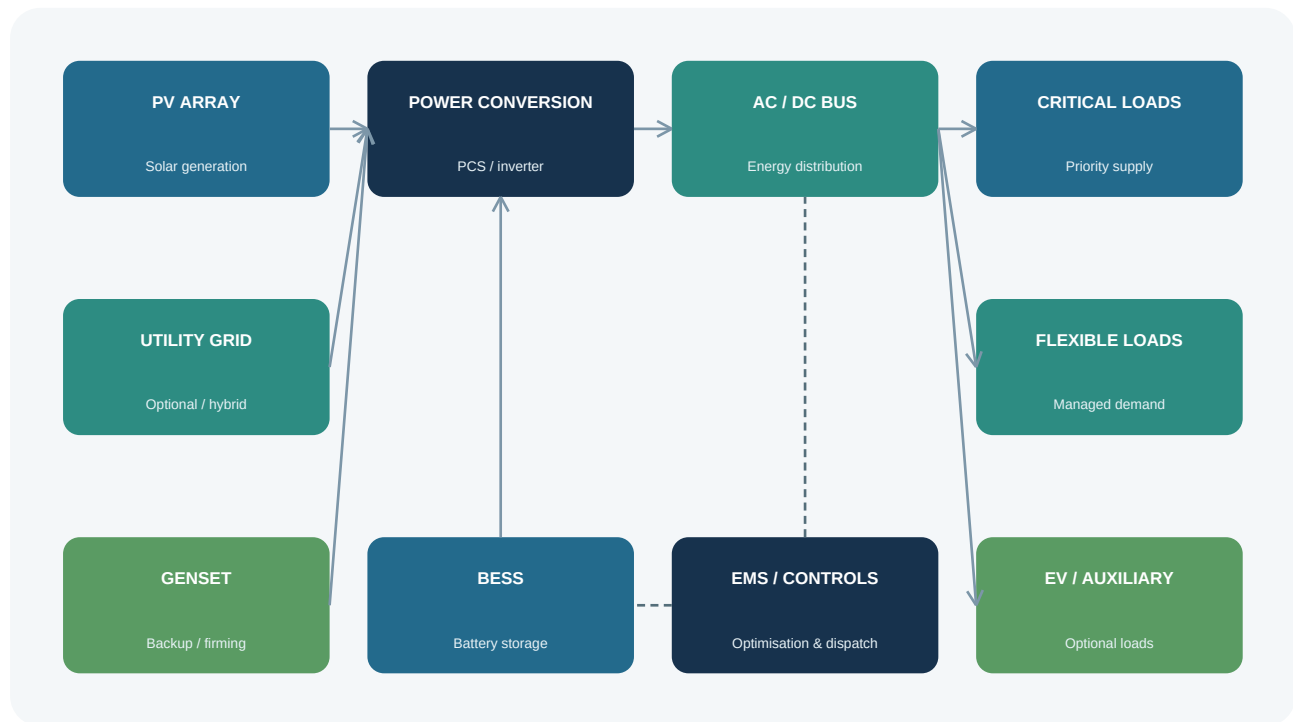
Local customer interface, partner coordination, commercial packaging, documentation and project implementation support.

Lifecycle Support

Commissioning coordination, performance review, operating data analysis and maintenance planning, subject to project scope.

Typical System Architecture

A modular architecture that can be adapted to off-grid, weak-grid and hybrid applications.



Target Applications

- Remote commercial and industrial facilities requiring reliable power where grid supply is unavailable, weak or expensive.
- Mining, agricultural, construction, infrastructure and temporary-site applications.
- Resorts, accommodation, community facilities and remote buildings with mixed daytime and evening loads.
- Commercial sites seeking hybrid resilience, backup capability, peak management or increased renewable-energy utilisation.
- Project developers and EPC partners requiring an integrated solution layer across PV, BESS, genset, grid and controls.

What NUSLUME™ Adds

Project need	NUSLUME™ response
Multiple energy assets from different suppliers	A coordinated system architecture and operating logic.
Variable renewable generation	Battery storage, dispatch control and backup-power coordination.
Critical-load continuity	Priority-load design, redundancy planning and staged operating modes.
Need for local commercial support	Australian customer interface and project coordination by Nusfun.

Engagement Model

NUSLUME™ can support projects from early concept development through integration and implementation. The exact scope is defined case by case according to project size, location, regulatory requirements, selected equipment and partner responsibilities.

1. Understand Site, load profile, power-quality needs, operating constraints and commercial objectives.	2. Configure Define the system architecture, equipment categories, operating modes and preliminary sizing.
3. Validate Review technical interfaces, supplier data, compliance requirements and project risks.	4. Integrate Coordinate selected equipment, controls, documentation and delivery responsibilities.
5. Implement Support local delivery, installation coordination, commissioning and acceptance activities.	6. Optimise Review performance and refine operating strategies where monitoring data is available.

Important Project Notes

Equipment brands, capacities, certifications, warranties, grid-connection requirements, engineering approvals and installation responsibilities are project-specific and must be confirmed before final proposal or contract. NUSLUME™ is a solution-integration platform and is not limited to a single battery, inverter, generator or PV supplier.

NUSLUME™
Integrated Energy Solutions for Australia

Nusfun Pty Ltd
Melbourne, Australia
nuslume.com.au
info@nusfun.com