

Water from air. New possibilities.

LCG AWG BlueVANTAGE

BlueVANTAGE is the core focus of our international system portfolio. The concept connects atmospheric water generation with treatment, hygiene, storage and a site-specific energy approach. PYRAMETEC is an LCG distribution partner.



Concept visualisation. Not a reference installation or construction design.

An integrated approach

Capture ambient air - condense moisture - treat raw water - store and use it according to demand. Energy supply and operating conditions are assessed for each project together with LCG.

Water yield and energy demand depend on climate and design. Drinking-water use requires appropriate treatment and the necessary quality and hygiene verification.

PORTFOLIO & COLLABORATION

Connected systems.

LCG EnergyCELL

A decentralised concept for power and useful heat using Stirling technology. Design is based on site energy demand.

LCG FluxPELLETS

Fuel development as part of coordinated thermal energy systems. Composition, suitability and emissions require verification.

Storage & integration

Electrical and thermal storage, existing generation and controls within a coordinated overall concept.

LCG RailGUARD

An additional modular safety system for level crossings in development. Integration, containment and operational safety require testing and approval.

LCG AlpSNOW

An alternative or complementary gliding-surface system for alpine applications in development. Temperature behaviour, gliding, braking and environmental compatibility require testing.

Start an international discussion

For communities, resorts, industry, island sites, infrastructure operators and project partners. Assess demand, review feasibility, develop a system concept and prepare implementation.

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Concept overview, not a binding proposal. Development status, performance, availability, approvals, scope of supply and funding are assessed and agreed separately for each project.