



Energy Technology Solutions

ASSESSMENTS - DESIGN - INSTALLATION - MONITORING - RETURNS

YOUR ENERGY NEEDS

LC Energy can advise across a wide range of energy technologies including:

- Solar Photovoltaics
- Solar Thermal
- Energy storage - battery technologies
- Fuel Cells
- Hydrogen storage
- Monitoring energy production
- Portable energy technologies

YOUR ENERGY FUTURE

LC Energy can help plan and support your energy future:

- Advancing designs to commercial ready phase
- Providing energy assessments and audits
- Designing practical solutions to your energy needs
- Installing appropriate technology
- Monitoring energy outcomes short and long term
- Supporting strong returns and energy security

OUR SKILLS

- Residential, Industrial and Commercial energy installations
- Project management
- Assessing energy requirements
- Energy Auditing - Levels 1 and 2
- NABERS assessments
- Design and Installation of:
 - Solar PV – small scale to large plant
 - Hydrogen Fuel Cells
 - Electrolysers
 - Battery systems

For more information

Please contact:

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CASE STUDIES

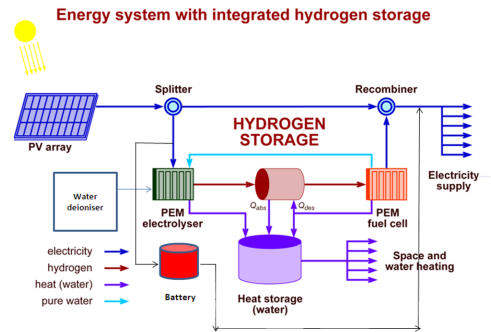


Remote Power Storage - System Scoping

- Client:** Telecommunications Supplier
- Challenge:** Provide remote power needs — off grid
- Outcome:** Requirements met through full duplex system — promoted new battery technology
- Involved:** Solution comprising of Solar PV, Sodium Nickel Chloride Batteries and LPG Generators

Energy Storage - Fuel Cells and Hydrogen Storage

- Client:** University
- Challenge:** Develop and energy system for a large off-grid sustainable building
- Outcome:** Project progressing
- Involved:** Selection of appropriate fuel cell, electrolyser and hydrogen storage capacity with power provided by Solar PV to produce hydrogen from water



Solar PV - Residential & Commercial

- Client:** Residential investor seeking commercial returns
- Challenge:** Remove power bills and create income stream
- Outcome:** Income stream delivering >12% return
- Involved:** 30kW installation (126 Q-Cell panels)
3 x Aurora Power One inverters
SolarLog web-based data logging

Monitoring - Data Logging

- Client:** Superfund investor
- Challenge:** Provide daily feedback on performance of energy system
- Outcome:** Web-based monitoring providing easy access of data to client
- Involved:** SolarLog web-based data logger installation
Website support and daily reporting



Portable Energy Systems

- Client:** Mining Company
- Challenge:** Ability to remotely monitor mine site areas using remote cameras
- Outcome:** LC designed and built MineEYE product
- Involved:** Integration of high-spec solar panels, battery storage and camera with a robust mine capable trailer

Energy Assessments and Auditing

- Client:** Local QLD Council
- Challenge:** Assess heritage area for power usage and carbon emissions
- Outcome:** Level 2 Energy Assessment report provided
- Involved:** Review of power usage and current supply means, Economic assessment, Alternative power options, Recommendations on renewable energy options

