



ENERGY SOLUTIONS

WHO WE ARE

Contained Energy (CE) is an Indonesia-based company specialising in offering alternative, renewable and sustainable energy solutions to homes, businesses, governments and communities.

How to provide a growing world population with sufficient, sustainable, clean energy is a growing concern. Our present, future, and the future of generations to come, depend on it. CE finds, and offers sensible energy solutions for in the form of a diverse range of energy systems suitable for entire rural communities, private homes, industrial sites, remote locations, offices or hotels.



WHAT WE DO

Contained Energy's mission is to design and install reliable systems that either provide alternative energy in places where there was none before or save energy in order to save money and the environment.

Whether it is a simple residential solar powered pool pump or an integrated solar, hydro and wind energy system to power an entire community, CE has a practical solution. The emphasis on practical solutions and systems also means that CE is able to provide energy where there was none before.

Market leaders in providing custom-designed premier energy systems in Indonesia, ASEAN and beyond, CE offers solutions from initial consultation, to conception and design, to system selection, supply, installation, maintenance and even financing assistance.

Based in tropical Indonesia, CE also has extensive experience in systems specifically designed for conditions in tropical climates and developing infrastructures.



SYSTEMS IN BRIEF

Solar PV Systems

Solar Photovoltaic (PV) power is reliable power, available everywhere, every day, making it the best solution to give light and power to remote areas.

Solar Thermal Systems

Solar Thermal Energy is relatively economical and simple to harvest, especially in the tropics. It can be used in both heating and cooling.

Wind & Hydro Power

Depending on location, wind and hydro power are an economical solution to providing electrical power.

Alternative Fuels

Biogas, biodiesel and biomass are good alternatives to fossil fuels for cooking, transportation and electricity generation.



WHY ALTERNATIVE ENERGY?

We need energy. Our daily lives depend on it: for water, light, transportation, learning, education and even entertainment. For the most part, we rely on fossil fuels for generating electricity and transportation but this does not reach everyone, everywhere and it is harmful to the environment.

The solution is simple: utilize the abundant renewable resources available immediately around us to meet our daily energy demands. Contained Energy has developed systems with proven technology and quality equipment that are environmentally friendly and can provide years of cost-savings and independence.

THE TEAM

CE was founded by two Dutch engineers in 2004 with a view to bringing renewable energy solutions to the remote areas and islands of the Indonesian archipelago.

Now with additional partners from Australia and a global team of engineers, technicians and experts committed to their mission, CE is in a position to provide energy solutions for any problem to clients in any sector anywhere.

MAJOR PROJECTS

Discovery Kartika Plaza Kuta, Bali
CE designed and installed an entire thermal solar system to supply this five-star 318-bedroom hotel with hot water. In doing so the Kartika Plaza has managed to reduce diesel fuel consumption by 75%

ROLE Foundation, Nusa Dua
CE supports the ROLE Foundation by providing the facility with a biogas plant, wind turbine, solar dryers, solar lighting and solar ice makers. These systems assist ROLE in their mission to create eco-friendly jobs and businesses for the underprivileged.

Flores Clinics
CE supplied five solar power systems to provide electricity to medical clinics throughout the island of Flores. These systems help improve sanitation and health

Micronesia
CE constructed 18 solar PV energy systems to power medical clinics, schools and even two entire small island grids on 12 islands in Micronesia.

OTHER SERVICES

- Maintenance
- Ongoing Support Programs
- Training
- Energy Audits
- Project Financing
- Financial Assistance



QUALITY & SERVICE GUARANTEE

Contained Energy employs highly trained professionals to work closely with customers to evaluate their energy needs and customize systems that work.

Only the best quality components from reputable suppliers are chosen.

All systems are then installed by our experienced technicians and CE will continue to support all products and systems with maintenance and educational/training services.

WHAT WE OFFER

Systems for:

- Solar Pv Power
- Solar Thermal Energy
- Wind Power
- Hydro Power
- Desalination Plants
- Heat Pumps
- Waste Heat Recovery
- Solar Pumping
- Energy Efficient Climate Control
- Energy Efficient Lighting
- Solar Ice-Making Plants
- Solar Produce Dryers
- Micro Turbines
- LPG Generators
- Biogas Digesters



WHAT WE'VE DONE

To date, Contained Energy has assisted satisfied clients and businesses in the following sectors:

- Private Residences
- Hotels and Resorts
- Cement Industry
- Cosmetics Industry
- Mining Industry
- Government
- Food Industry
- Chemical Industry
- Oil & Gas Industry
- Telecommunication Industry
- Remote/Rural Communities



CE are also involved in a number of Aid Projects and Corporate Social Responsibility Projects.

PROJECT EXAMPLES

Contained Energy has designed and installed amongst others:

- Solar hot water systems in a number of leading hotels and villas
- Solar fan & lighting systems in a number of villas
- Solar reverse osmosis systems, Nusa Penida
- Solar PV installations, 12 Micronesian islands
- Solar water pumping systems in a number of Indonesian hospitals & clinics
- Solar street lighting, Cacao dryers, home systems & water pumping in Aceh
- Solar lighting for a preschool in Aceh
- Solar/Wind system for a birth clinic in Aceh, and many, many more



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For more information on Contained Energy, in-depth case studies and examples of practical renewable energy systems and sustainable energy solutions to suit you, please go to www.containedenergy.com

MOST IMAGES FROM ACTUAL CE PROJECTS