

# Intelligent Use of Renewable Energy

Development · Implementation · Operation  
Power plants · Self-consumption · Off-grid  
Tailored solutions  
Attractive investments



## We unveil potential for agriculture

Atacama, Chile, 2012 · 307,2 kWp · 600.000 kWh p.a.  
>90% used directly for irrigation

## Anything is possible

KRAFTWERK Renewable Power Solutions designs and builds power plants based on renewable energy. We are particularly active in markets where, due to optimal conditions, renewables can be used very effectively—such as photovoltaic in desert regions.

We develop new business opportunities for our clients by optimizing their energy costs and/or for the profitable sale of generated electricity.

With our experience in the field of agriculture—particularly irrigation—we combine two major supply challenges of the future: energy and water.

Do you wish to become independent of rising energy costs?

Are you searching for lucrative investment opportunities in the field of renewable energy?

Would you like to take advantage of the economic potential of renewable energy in agriculture?

Do you have an off-grid system and seek to reduce your diesel consumption?

Contact us—we'll create a tailored solution to match your needs.



## We promote independence

Germany, 2013 · 120,0 kWp · 110.400 kWh p.a.  
80% self-consumption rate for a metal processing facility



## We develop and run power plants in the desert

Atacama, Chile, 2012  
KRAFTWERK's uniquely designed cleaning device successfully completes testing

## International project development

### Site assessment

Plant concepts/  
pre-investment studies

Grid connection  
and construction permits

Investor presentations

### Implementation

Engineering/procurement

Plant installation

Grid connection

### Operation

Monitoring

Maintenance and  
repairs

Training/  
know-how transfer

## Our expertise: solar

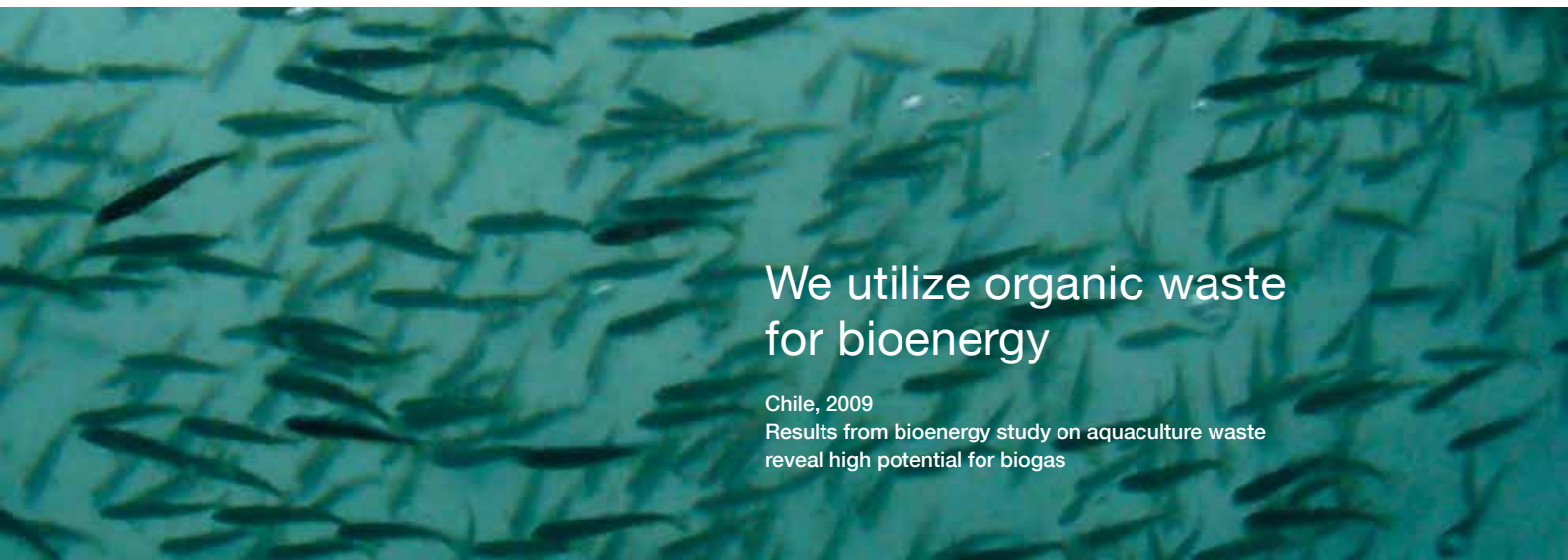
Turnkey solar power plants

Optimized off-grid systems  
(with and without battery)

Intelligent self-consumption solutions

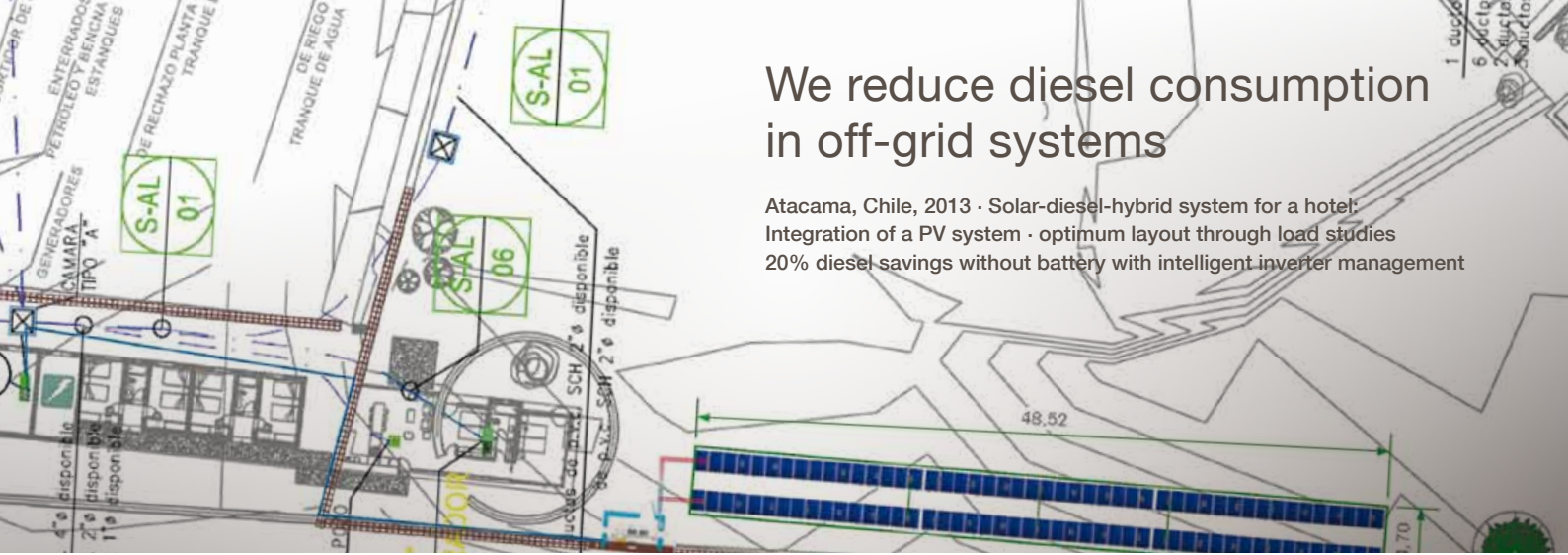
## Full-scale competence

A detailed analysis of your energy consumption and energy costs form the core of a customized solution. We intensively examine all options for energy efficiency and offer comprehensive site analysis—taking all forms of renewables into consideration for our solutions.



## We utilize organic waste for bioenergy

Chile, 2009  
Results from bioenergy study on aquaculture waste reveal high potential for biogas



# We reduce diesel consumption in off-grid systems

Atacama, Chile, 2013 · Solar-diesel-hybrid system for a hotel:  
Integration of a PV system · optimum layout through load studies  
20% diesel savings without battery with intelligent inverter management

## Experts in Latin America

KRAFTWERK is the 2011 winner of the *Start-Up Chile* competition initiated by the Chilean government to promote innovative companies. Since then KRAFTWERK serves the Latin American market with a permanent team in Santiago de Chile.

Thanks to our on-site expertise, we are able to carry out all necessary approval processes for our customers, therefore ensuring successful project implementation.

With our trained technicians and a GAYK hydraulic ram located in Chile, we are ideally positioned in the field of PV for speedy installation services and site investigations.

**ST>RT-UPCHILE**

## Social responsibility

KRAFTWERK supports *Fundación Cristo Vive* which offers vocational training to young people from lesser privileged backgrounds. We provide practical knowledge in the field of renewable energy and create job opportunities in an emerging market. A future cooperation is planned in Argentina as well.

 **KRAFTWERK**  
RENEWABLE POWER SOLUTIONS

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