



intpow

Norwegian Renewable Energy Partners

Norwegian renewable partnerships

EEA FM 2009-2014 "Renewable Energy", Athens, Greece

Thursday, 11th September 2014

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Twitter: @JonDugstad



RE energy certificate scheme

Joint certificate scheme with Sweden

Location and technology independent

Required annual production of certificates

- 3% of supply in 2012, rising to 18.3% in 2020

Total new production 26,4 TWh until 2020 (8 TWh today)

Norwegian cleantech industry

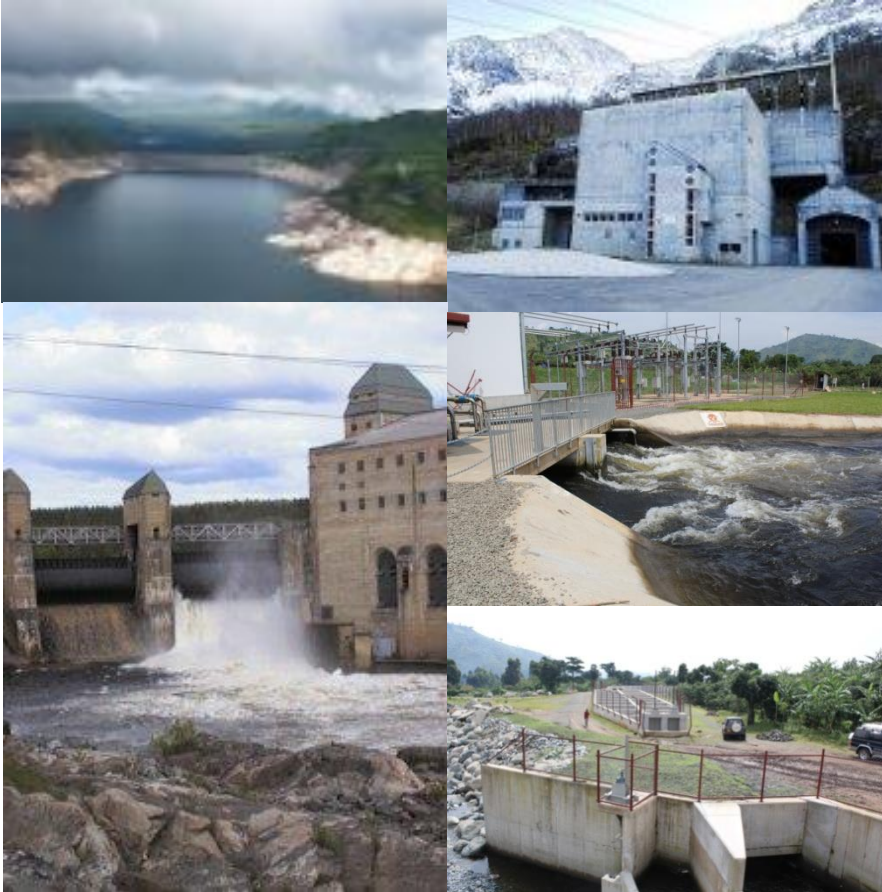
About 2000 companies

Total revenue of EUR 25 billion

45 000 employees in Norway (30 000 RE) and more than 3 000 internationally

Total export value of ca. EUR 2 billion with Europe being the largest market. (EUR 1 billion power trade)

The hydropower industry



More than 100 years of experience
Made the foundation for Norway's industrial development

World technology leader

10.000 employees

More than 4 bn EUR in revenue
(3% of GDP)

Competence and innovation driven

The oil and gas industry



Oil production offshore since 1971

World's 5. largest oil exporter

More than 40 bn EUR in revenue

(ca. 25% of Norway's GDP)

Competence and innovation driven

The maritime industry



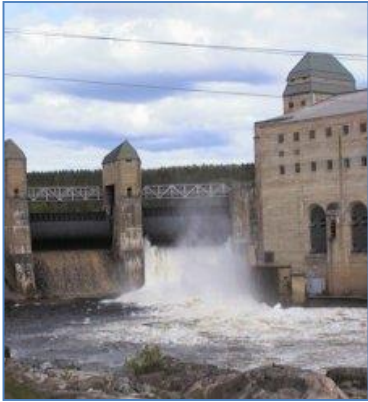
Ship owners, builders, service, design, engineering, supply industry and more...

100.000 employees

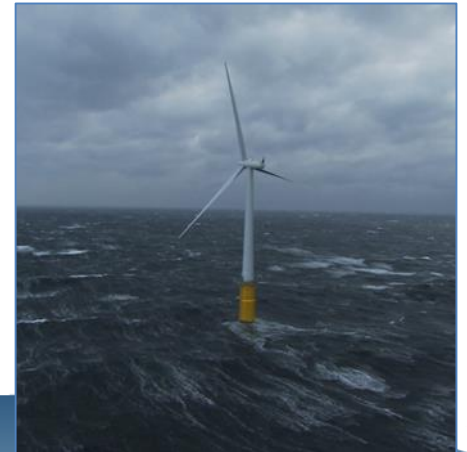
**More than 10 bn EUR in revenue
(8% of GDP)**

Competence and innovation driven

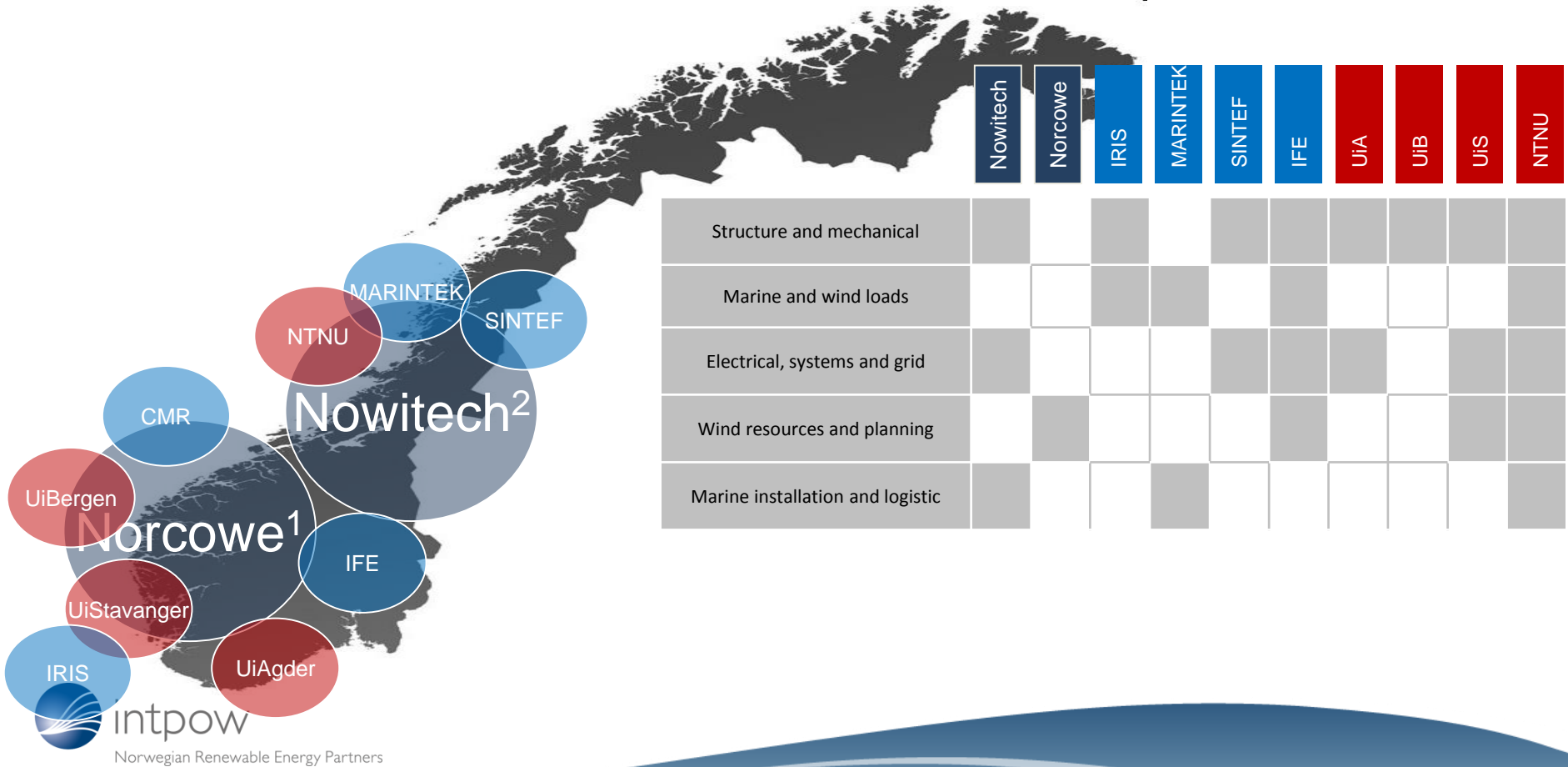
We will use our heritage..



**....to deploy strengths from
the hydropower, maritime
and offshore oil and gas
industry in new renewable
energy!**



75 MEUR annual public R&D spend





Devoll project - Albania



Banjë, Moglicë, Kokel

243 MW

700 GWh

**Under construction,
commissioning 2016 (Banjë)
and 2018 (Moglicë)**

Kargi & Cetin power stations – Turkey



Kargi

Production 470 GWh

Installed: 102 MW

Investment: EUR 250 million



Cetin

Production

Main Çetin: 1100 GWh

Lower Çetin: 300 GWh

Installed

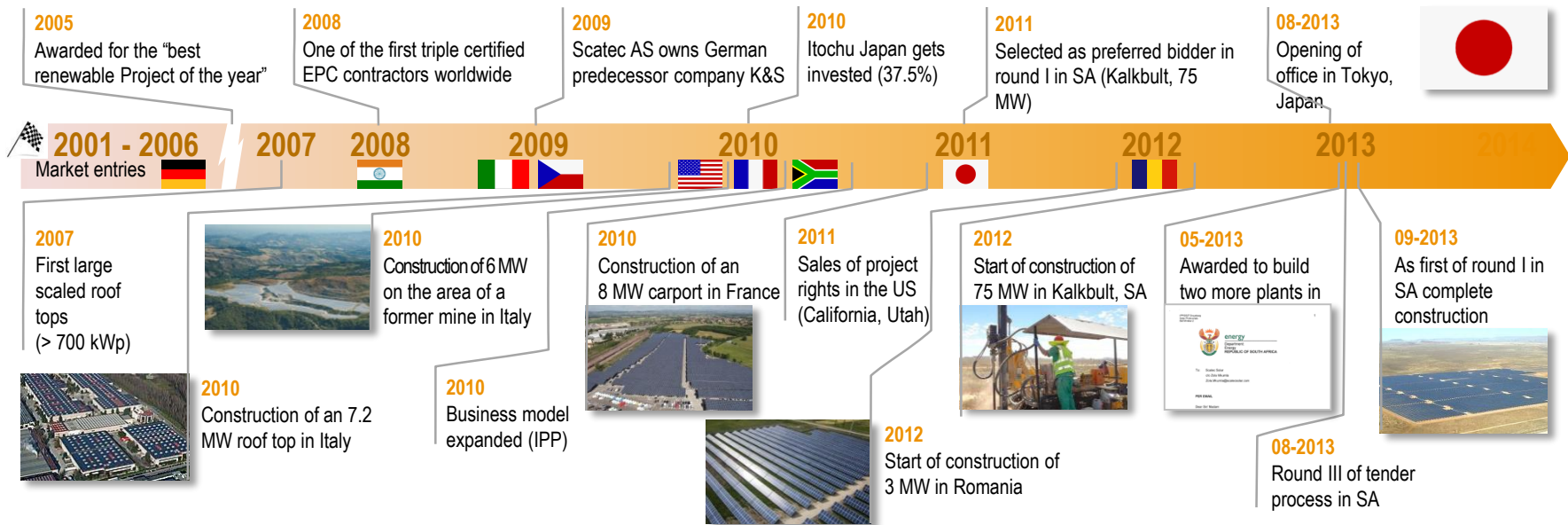
Main Çetin: 401 MW

Lower Çetin: 116 MW

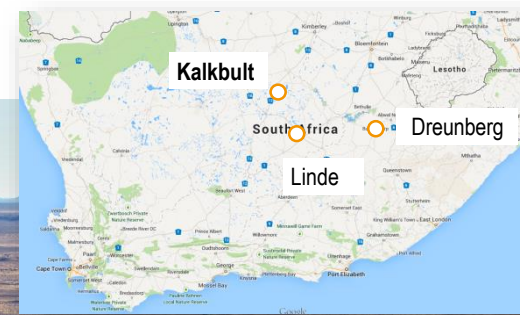
History of Scatec Solar – steady growth 2001 - 2013

Scatec Solar – a first mover in solar energy production

- We were the first to develop a megawatt sized project in Germany.
- Three times we held the world record for the largest PV power plant of the world.
- Scatec Solar is one of the most experienced and successful solar downstream companies in the world with a clear focus on utility scaled PV.



The Kalkbult 75 MW project – the largest solar park in Africa to date!



Utilizing the full value chain from project development through to ownership and O&M

Scatec Solar PV installation in Kalkbult

- 75 MWp on 105 hectares (1,050,000 square meters)
- the largest in Africa and the first one of the large plants under the South African renewable program to be grid connected



Development



Design and Construction



Own and Operate



Norwegian Renewable Energy Partners

Kalkbult - a EUR 200m South African-Norwegian Investment

Additional Norwegian Financing Mechanisms in place:

EPC Contractor
Guarantees provided by GIEK

Training Program for Local Staff
Partly funded by Noard

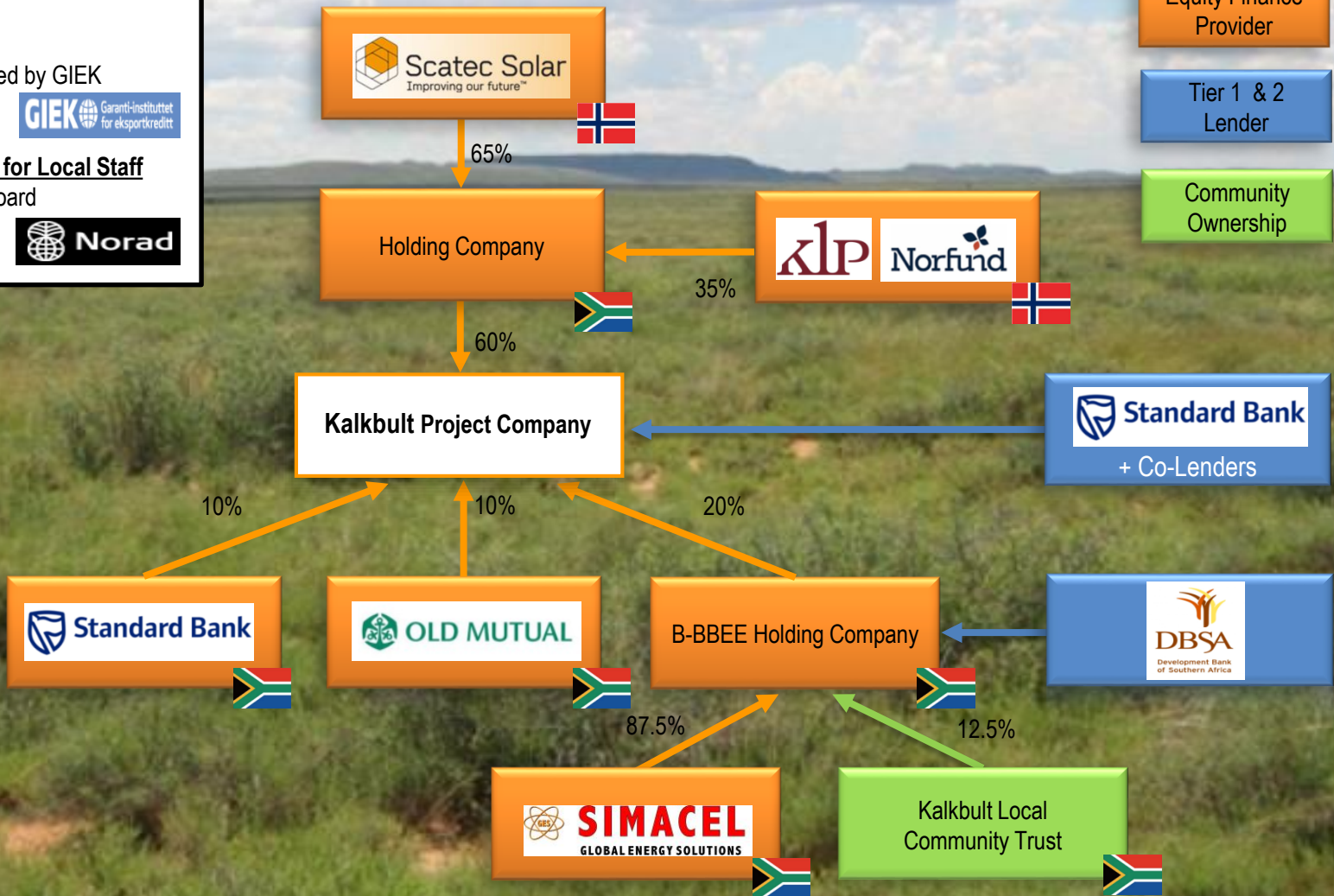


Project Company

Equity Finance Provider

Tier 1 & 2 Lender

Community Ownership













Fred. Olsen Windcarrier







NORWEGIAN OFFSHORE WIND

Norwegian offshore expertise and capabilities are world famous. Our maritime and oil & gas heritage offers unique value to the accelerating offshore wind market.

This database maps out the **Norwegian offshore wind** supply chain and provides an updated and comprehensive overview of its key offshore wind companies

Search for company, technology, type or location...

FIND

ADVANCED 

Or browse categories

Project life cycle

Services

Technology

A wide-angle photograph of an offshore wind farm at sunset. The sky is filled with large, dramatic clouds, with the sun low on the horizon, casting a warm glow. Several wind turbines are visible, their silhouettes and blades against the sky. The water is dark and calm. A small boat is visible on the left side of the frame.

***INTPOW – Norwegian Renewable Energy
Partners***

***Promote Norwegian
renewable energy capabilities
internationally***

MINISTRY OF
PETROLEUM AND ENERGY



MINISTRY OF FOREIGN AFFAIRS



MINISTRY OF TRADE AND INDUSTRY





Norwegian Renewable Energy Partners



National and international networking



Market information



Government relations



Advisory



A vertical graphic element on the left side of the logo, consisting of three horizontal stripes: a red stripe at the top, a blue stripe in the middle, and a red stripe at the bottom, representing the flag of Norway.

NORWAY
POWERED BY NATURE