

Owner's Engineers | Technical Advisors | Asset Managers

# Know-How to Power Your Project



# Project Assessment



**The Green Business Plan** assesses the feasibility of prospective green energy products and enables developers to unlock funding opportunities and reach FID.

- Key areas of focus are:
- Resource Identification and Regulatory Constraints
  - Legal, Technical and Financial Feasibility

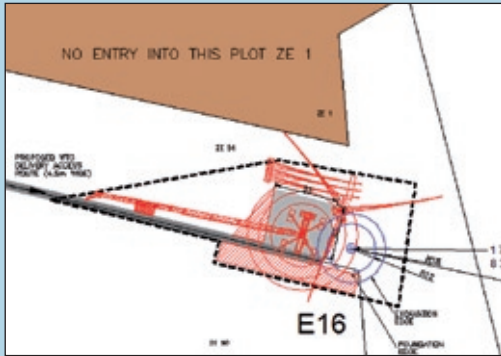
**Project Analyser** is Fortes' Due Diligence offering to prospective green energy investors. It combines effective and concise reporting with extensive in-house knowledge.

- Key areas of Focus:
- Permitting/Certification
  - Design/Technical Specifications
  - Contracting and Procurement
  - CAPEX/OPEX Forecasting

Project/ Portfolio Name	Location	WTG Model	Total (MW)	WF COD	Involvement
Dahme <sup>1</sup>	Germany	51 x NM1.5	77	2002	Due Diligence
Gwnyt y Mor	UK	160 x SWT 3.6	576	2014	Due Diligence
Dan Tysk	Germany	80 x SWT 3.6	288	2015	Due Diligence
Mali & Tamba <sup>1</sup>	Estonia	6 x E101	18	2015	Due Diligence
Sandbank	Germany	72x SWT 4.0	288	2016	Due Diligence
Confidential	China	105 x 3/4MW	353	Confidential	Due Diligence

<sup>1</sup> Assessment of Operational Wind Farms      Note: WF COD = Wind Farm Commercial Opertion Date,

# Engineering Management



**Design Manager:** We offer full management of surveys and designs and review deliverables with efficiencies of later development in mind.

- Best-In-Class Service Offerings include:**
- Survey Contract Management
  - Roads, Foundation and Electrical Front End Designs
  - Detailed Design or Design Management

**Procurement Manager:** We drive tendering and negotiations towards clients goals using experience from the "other side" (OEM etc) of negotiations.

- Our reviews and negotiations focus on the following:
- General contract conditions
  - Technical Annexes/Specifications
  - Interfaces and obligations
  - Warranties and Liabilities

Project/ Portfolio Name	Country	WTG Model	Total (MW)	WF COD	Involvement
San Marcos	Honduras	25x G90	50	2014	Design Manager
Formosa	Taiwan	28 x TBC WTG	130	2016/8	Design Manager
OWF Sub-Station	Germany	36 x SWT 3.6	130	Confidential	Designer
OWF Sub-Station	Germany	66 x SWT 3.6	238	Confidential	Designer
Wind Development Fund Management Portfolio <sup>2</sup>	France	Various (9 WFs)	110	Various	Engineering Manager
	Sweden	Various (4 WFs)	75	Various	Engineering Manager
	Bulgaria	Various (2 WFs)	100	Various	Engineering Manager

<sup>2</sup> Engineering Management (as Developer)

# Asset Management



**AM Stratgiser:** To optimise future AM costs a robust plan is needed to satisfy clients requirements and address site, technology and supplier constraints. The process is as follows:

- Full project documentation review, extensive client consultations
- Selection of AM Scenarios to ensure minimum Cost of Energy

**AM Coach:** Using the AM Strategy as a guide Forte can assist with:

- Establishment of the AM Control Centre
- Personnel Sourcing and Coaching
- Commercial operations set-up and support
- Initial Management of AM Control Centre

**AM Assistant:** After implementation of the AM strategy you should be prepared to manage your own assets. We are of course still ready to assist on specific aspects of your projects such as:

- Trouble-shooting consultancy
- Yield Improvements



Project/ Portfolio Name	Location	WTG Model	Total (MW)	WF COD	Involvement
Formosa	Taiwan	28 x TBC WTG	130	2016/8	AM Strategy
MEG Offshore <sup>1</sup>	Germany	80 x M5000	400	2017	AM Strategy
Saint Quentin	France	4 x V90	11	2010	Problem Analyst
Readthuys	Holland	31 x V52/80/90	40	2002-04	Perf. Monitoring
Enercon <sup>3</sup>	France	650 x Various	1000	Various	Country Manager
Senvion <sup>3</sup>	Canada	350 x Various	500	Various	Country Manager
GE <sup>3</sup>	Taiwan	26 x Various	39	Various	Country Manager
Vestas <sup>3</sup>	Taiwan	87 x Various	160	Various	Country Manager

<sup>3</sup> Asset Management (as OEM)

[www.fortererenewables.com](http://www.fortererenewables.com)

## About us

Forte Renewables is an experienced Technical Advisor for renewable energy projects. What makes us different is our full development and asset management understanding from our previous roles as senior staff members with developers and wind turbine suppliers.

We are strong believers in the need for protection of the environment and for local community involvement in projects. We believe with our experience we have the know-how to power your project and help you attain your goals.

## Our advantages are:

- Knowledge from working with all project stake holders across 4 continents
- Prompt, Best in Class Deliverables
- Ability to take the mystery out of technical issues for developers and investors

## Services

We have expertise across the full project life-cycle. However to be of best value to our clients we are focused on 3 areas listed below. Related service products are listed sequentially related to Project life-cycle.

### Area 1: Project Assessment

- The Green Business Plan or
- Project Analyser

### Area 2: Engineering Management

- Design Manager and
- Procurement Manager

### Area 3: Asset Management

- AM Strategiser,
- AM Coach and
- AM Assistant



## Global HQ

Forte Renewables  
World Trade Centre  
Tower H, Zuidplein 110  
1077 XV, Amsterdam  
The Netherlands

T +31 20 233 1364  
[info@forterenewables.com](mailto:info@forterenewables.com)  
[www.forterenewables.com](http://www.forterenewables.com)

