

RENIXX[®] World

Renewable Energy Industrial Index

Global industrial stock index
of the renewable energy industry



[october 2009]

Contents

- ***The RENIXX® World***
 - **Calculation, Implementation, Symbol (RIC, WKN, ISIN)**
 - **Listed Companies**
 - **Market Trend of RENIXX® World**
 - **Index-Design**
 - **Concept and Regulations**

- ***Renewable Energy Industry – Status and Prospects***

RENIXX® World – concept and regulations

➤ **RENIXX® World – Concept and Regulations**

Calculation and Technical Implementation

- Index design: IWR
- Calculation: IWR
- Technical implementation: BSB-Software GmbH, Munich

RIC / WKN / ISIN

- Reuters Investment Code (RIC): **.RENIXX**
- WKN: **RENX01**
- ISIN: **DE000RENX014**
- Designation: **RENIXX® - Renewable Energy Industrial Index - World**

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RENIXX® World – Listed Companies

➤ RENIXX® World – The companies (1)

<u>No.</u>	<u>Company</u>	<u>Country</u>	<u>Trading Symbol</u>	<u>Category</u>	<u>Weighting (as of 1/oct/2009) *</u>
1	Vestas	Denmark	VWS.FSE	Wind	15.00 %
2	First Solar	USA	F3AFSE	Solar	15.00 %
3	Gamesa	Spain	GTQ1.FSE	Wind	10.03 %
4	Iberdrola Renovables	Spain	3IR.FSE	Utility	8.94 %
5	Suntech Power	China	S9H.FSE	Solar	6.17 %
6	Renewable Energy Corp.	Norway	R3Q.FSE	Solar	5.34 %
7	EDP Renovaveis	Portugal	EDW.FSE	Utility	4.80 %
8	SolarWorld	Germany	SWV.ETR	Solar	4.12 %
9	SunPower Corp.	USA	A0H.HD1	Solar	3.45 %
10	American Superconductor	USA	AMS.FSE	Wind	2.39 %
11	Q-Cells	Germany	QCE.ETR	Solar	2.33 %
12	EDF Energies Nouvelles	France	ED2.FSE	Utility	2.29 %
13	SMA Solar Technology	Germany	S92.ETR	Solar	1.95 %
14	China High Speed Transmission Equipment	China	BGR.FSE	Wind	1.89 %
15	Ormat Tech.	USA	HNM.FSE	Geothermal Power	1.78 %

* Percentage-based weighting is calculated with 6 digits after decimal point; differences to a total of 100 per cent may result from rounding; exact figures will be provided on request.

RENIXX® World – Listed Companies

 ➤ **RENIXX® World – The companies (2)**

<u>No.</u>	<u>Company</u>	<u>Country</u>	<u>Trading Symbol</u>	<u>Category</u>	<u>Weighting (as of 1/oct/2009) *</u>
16	Canadian Hydro Dev.	Canada	CP3.FSE	Utility	1.51 %
17	Nordex	Germany	NDX1.ETR	Wind	1.36 %
18	Meyer Burger	Switzerland	M6Y.FSE	Solar	1.29 %
19	Yingli	China	YG11.FSE	Solar	1.26 %
20	JA Solar	China	YI2.FSE	Solar	1.25 %
21	Energy Conversion Devices	USA	ECD.FSE	Solar/ Fuel Cells	1.07 %
22	Roth & Rau	Germany	R8R.ETR	Solar	1.00 %
23	Motech	Taiwan	DLT1.FSE	Solar	0.93 %
24	Evergreen Solar	USA	EVX.FSE	Solar	0.87 %
25	Infigen Energy	Australien	B4U.FSE	Utility	0.86 %
26	PV Crystalox	Great Britain	PC1.FSE	Solar	0.76 %
27	FuelCell Energy	USA	FEY.FSE	Fuel Cells	0.68 %
28	Hansen Transmissions	Belgium	3K8.FSE	Wind	0.65 %
29	Broadwind Energy	USA	9IR.FSE	Wind	0.54 %
30	China WindPower Group	China	HK51.FSE	Utility	0.51 %

* Percentage-based weighting is calculated with 6 digits after decimal point; differences to a total of 100 per cent may result from rounding; exact figures will be provided on request.

The RENIXX® World – Market Trend since 2006

➤ **RENIXX® World – Market trend since 2002**

RENIXX® World: 2002 - September 2009



Performance:

in 2002: - 67.0 %
in 2003: + 20.9 %
in 2004 - 14.5 %
in 2005 + 69.3 %
in 2006 + 42.2 %
in 2007 +107.3 %
in 2008 - 63.6 %
in 2009 + 13.9 %

Close 30/sep/2009:

796.28 points

RENIXX® World – Index-Design

➤ **RENIXX® World – International market barometer of the renewable energy industry**

▪ ***Goal:***

A representative sector / industry index

▪ ***Basis:***

Worldwide market of the renewable energy industry
[Wind energy, solar power, bioenergy, geothermal energy,
hydropower and fuel cells]

RENIXX® World – Index-Design

➤ **RENIXX® World – International market barometer of the renewable energy industry**

▪ ***Basis:***

Global companies with more than 50% of revenues coming from the wind energy, solar power, bioenergy, geothermal energy, hydropower or fuel cell sector

▪ ***Selection criterion:***

- Highest market capitalization of the freely tradeable stocks (free float)
- No more than 50% of the companies come from one sector

Exceptions:

- The fuel cell and utility company sectors do not represent more than 20% of the companies in the index
- Maximum weighting of an individual security is at 15%

RENIXX® World – Concept and Regulations

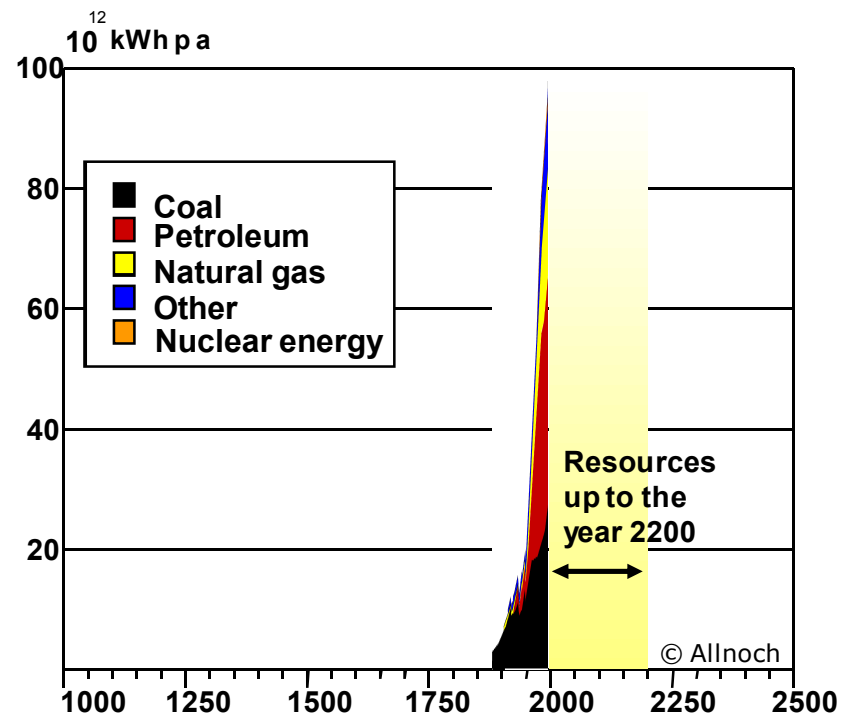
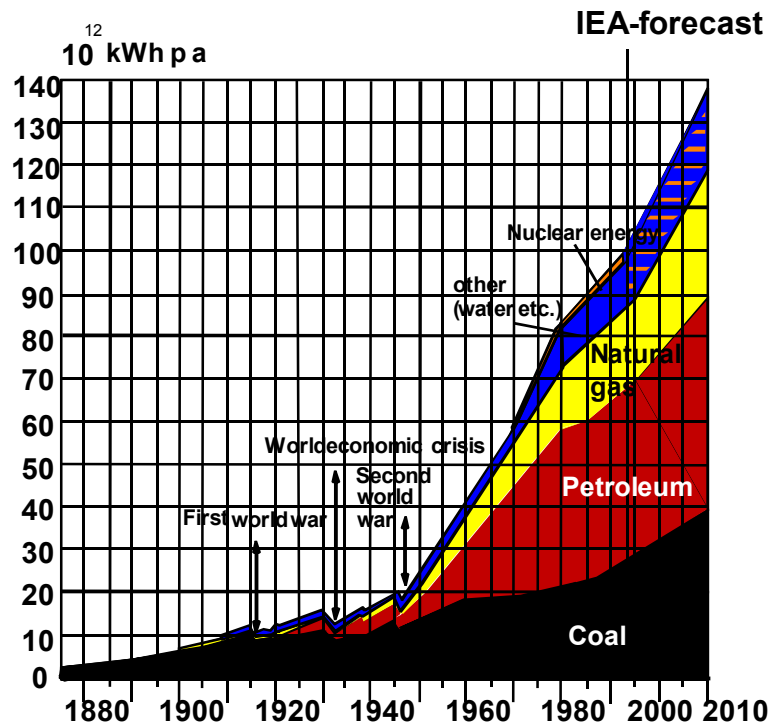
➤ RENIXX® World – Concept and Regulations

Technical Index Concept

- Performance index (total return)
- Currency: **Euro**
- **New weighting** and chaining **quarterly** (calendar year),
- **Semiannual review** for new composition, random review in case of relevant IPOs
- The chain Laspeyres formula will be used as the index
formula: $\text{Index} = (\text{Sum}(\text{pit} * \text{Fit}) / A) * 1000$
- **Stock exchange**: The stock exchange with the highest volume of trade for the respective security in the previous month (according to the stock information system)
- **Calculation**: Every 60 seconds (intraday display: www.iwr.de/renixx)

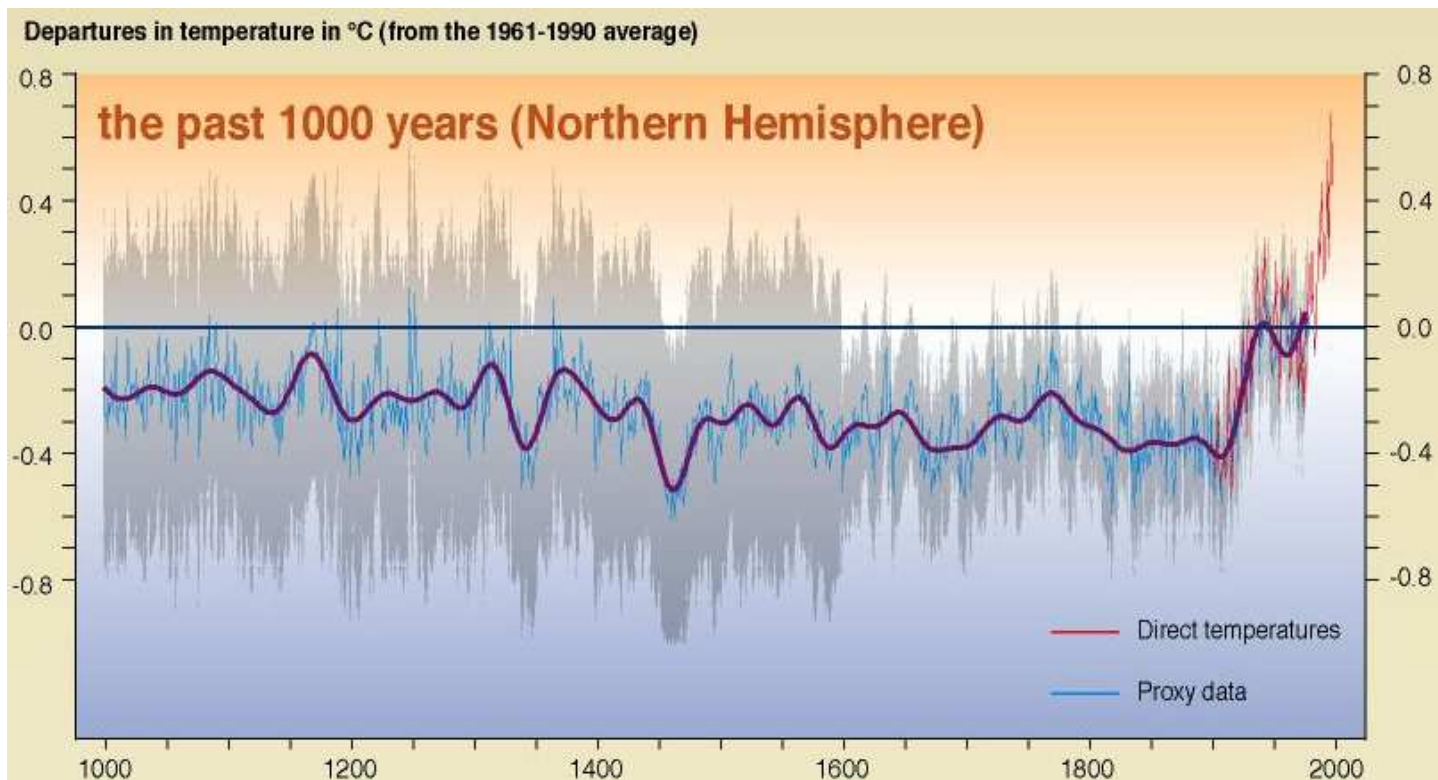
Renewable Energy Industry – Status and Prospects

➤ **The finite nature of fossil energy sources**



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Renewable Energy Industry – Status and Prospects

➤ Global climate change, IPCC report / UN

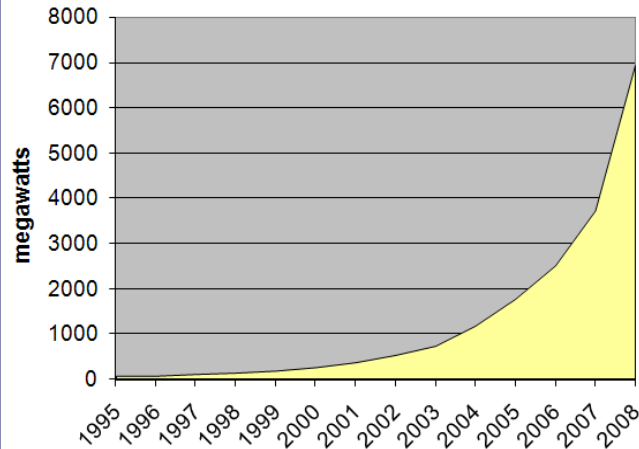
Source: Intergovernmental Panel on Climate Change (IPCC)

Renewable Energy Industry – Status and Prospects

➤ **Renewable energy sources on the growth path**

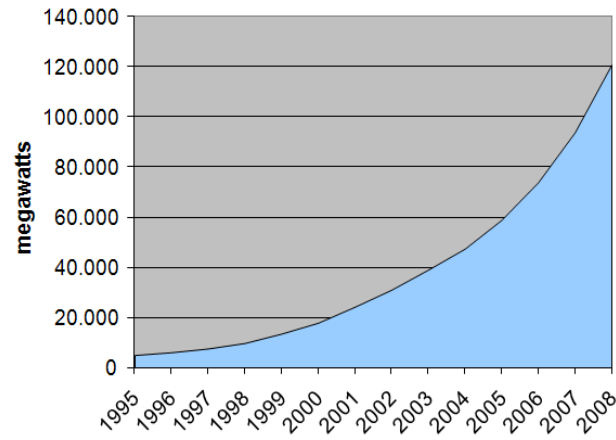
Ex.: Photovoltaics

Worldwide production of solar cells in megawatts (p.a.)



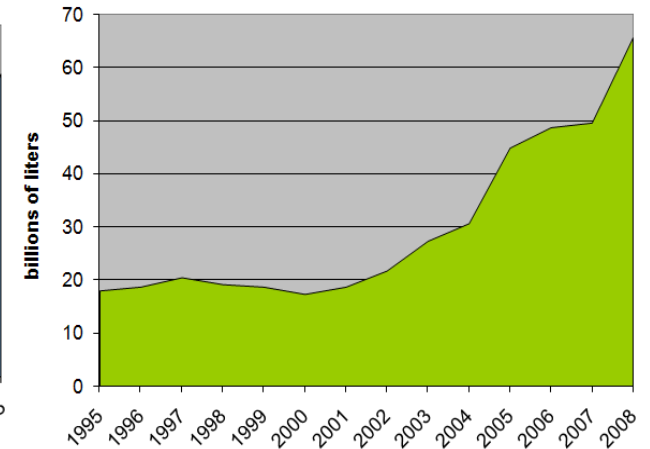
Ex.: Wind energy

Worldwide installed wind energy capacity in megawatts (cumulative)



Ex.: Bioethanol

Worldwide production of bioethanol in billions of liters (p.a.)



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www.renewable-energy-industry.com



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concerning RENIXX® in the RENIXX®
newsletter:**

Register at:

<http://www.iwr.de/renixx/newsletter>

[Contents, among others, weekly review,
RENIXX press releases ...]

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