



Cover Story



06 Energy Mix Roundtable

On the sidelines of the 2010 World Future Energy Summit in Abu Dhabi, United Arab Emirates, *Living Energy* invited four international experts in various fields of energy to participate in a roundtable discussion on optimization of the energy mix. Ambassador Richard Jones of the IEA, Frank Mastiaux of E.ON Climate & Renewables, Khaled Abubakr of TAQA Arabia, and Anders Wijkman of the Club of Rome shared their diverse views on this increasingly important topic and found much common ground – a good sign for the future of energy.

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Fast-cycling power plants allow energy providers to respond to fluctuations in demand at short notice – much more efficiently than with partial-load operations.

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As coal will continue to play an important role in China's energy mix for the foreseeable future, enhancing the efficiency of power plants is imperative for reducing the environmental impact.

42 Power Switch (EnBW)

The modernization of a high-voltage network for Germany's third-largest power utility is not just a technical challenge. The changeover within an operational grid also requires ingenious project management.

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René Umlauf, head of Siemens' Renewable Energy Division, discusses approaches to improving the market share of renewables, technical advances making solar and wind power more competitive, and other ways in which Siemens can leverage its years of experience to benefit customers.

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Four students meet with Siemens Energy's Chief Technology Officer, Michael Weinhold, to debate energy solutions for the future, including climate policy, smart grids, and the Desertec project for renewable energy in the Sahara.

46 Essay: Energy System USA

Daniel Yergin is a Pulitzer Prize-winning author on the subject of energy, as well as the cofounder and chairman of IHS Cambridge Energy Research Associates, whose expertise covers all major energy fields. In this essay, he offers his insights on the future of energy in the USA.

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An analysis of Europe's leading metropolises rates their environmental performance and showcases sustainable energy projects.

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US distribution and transmission company Oncor has modernized its grid by integrating outage, mobile workforce, and distribution management systems with the help of Siemens technology.

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