

Article from Audi Magazine - Winter 2011

technik_

[TECHNOLOGY]

Plans for sustainable future with Audi balanced mobility

New Audi fuel production plant set to produce some 1000 metric tonnes of e-gas per year, while consuming 2800 metric tonnes of carbon dioxide

We all know that fossil fuels are a finite resource, which is why Audi is looking to a cleaner, greener future with a new initiative called Audi balanced mobility. At the heart of the venture is the promise that Audi will become directly involved in producing its own green power, rather than simply sourcing it from a third party. Audi CEO Rupert Stadler explains: 'CO₂-neutral mobility is our goal. On the way to achieving this, we are systematically using clean power. We are producing climate-friendly fuels and forming a new mindset for which our entire company stands.'

To help achieve this goal, Audi has initiated the e-gas project. The company has contributed to the construction of offshore North Sea wind turbines, which harness wind energy to generate green electricity that's fed into the power grid, and which Audi can use to build electric vehicles such as the A1 e-tron. Audi will also use the energy to manufacture hydrogen in a specially constructed energy production plant. Hydrogen can then be used to power fuel-cell vehicles or to produce methane, also referred to as Audi e-gas.

Chemically identical to natural gas, Audi e-gas can be used to power combustion engines and, in 2013, Audi will begin production of a range of models, powered by e-gas. The first A3 variant will emit less than 30g/km CO₂ - and that includes all emissions created during construction of the wind turbines and the e-gas plant.

