

Carnegie Acquires New Clean Energy Technologies

Carnegie Corporation Limited has acquired two new clean energy technologies – a solar thermal technology and a wind aerofoil technology. Carnegie says that both technologies are at early stages but both show exceptional promise. The solar thermal technology collects the thermal energy of the sun via a novel efficient means, stores it as heat in a low-cost storage solution and then draws heat as required for zero emission power generation, according to Carnegie. The energy collection component is currently at the small-scale prototype stage. The wind technology involves a unique approach to aerofoil design, and is at the computational modelling stage. An aerofoil is a wing, propeller or blade, whose shape and orientation controls stability, direction, lift and thrust or propulsion. Current modelling shows a step-change improvement in efficiency may be possible, and that applications may extend beyond wind turbines into turbine technology more generally. Both technologies have been invented by Carnegie chairman Alan Burns and are at the provisional patent stage. The technologies to date have been developed by a private research company in Perth. “Carnegie’s aim is to become a diversified clean technology developer and operator. These two acquisitions allow us to apply our unique technical development competency across our diversified portfolio of investments in wave, clean coal, solar and wind energy,” says Carnegie managing director Michael Ottaviano. “There is increasing interest in the clean technology sector from industry, government and investors alike and Carnegie is well placed to capitalise upon further sector growth,” adds Dr Ottaviano. The company is currently developing the CETO Wave Energy technology and has the exclusive rights to operate all commercial CETO wave farms in the southern hemisphere. Carnegie says the technology is on track to be commercial-ready in 2009. “Its clean coal technology, Cleaner Coal Power, is advancing towards the next phase of prototype development. A full-scale prototype is expected to be operating within three years,” states the ASX announcement.

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