

The Institution of Agricultural Engineers

Founded 1938 – Incorporated 1960

Environmental Engineer Team Award

Sponsored by The Douglas Bomford Trust

CNH Industrial

New Holland T6 Methane Tractor Project Team

The Institution is delighted to award the inaugural Environmental Engineer Team Award to the New Holland T6 Methane Tractor Project team. The award is in recognition of the outstanding achievement of not only creating the world's first methane powered serial production tractor, but delivering it with a system to harness what would normally be fugitive methane from on-farm slurry lagoons, using it to power the tractor.

Over 13 years ago New Holland exhibited the world's first hydrogen fuel cell concept tractor and has continued its quest for an alternative fuel to reduce harmful carbon emissions ever since.



The methane tractor goes one step further, and by working with Bennamann, provides a true energy independence. The farm can not only produce its own fuel to power its equipment, it can also be used to power other systems such as building heating. The result is a truly virtuous circular farm where animal waste is recycled, not only to fertilise the soil, but now to power the machines cultivating, drilling and harvesting the crops.

Under the strapline of "Powered by Nature" New Holland's project team have delivered a tractor that works exactly as its diesel variant would operate, with no disadvantage to the customer. With up to 30% lower running costs, 98% less particulate matter, an 11% reduction in CO2 emissions and a 98% emissions reduction overall, a near-zero CO2 emissions is achievable. A truly remarkable development with a significant impact on the environment in the quest for carbon net-zero.