

Encouraging innovation and sustainable thinking in students

in partnership with MSparc

PROJECT OVERVIEW

Cyd Innovation has partnered with MSparc, Wales' first dedicated Science Park, to support the development of student's STEM skills across North Wales. This collaboration aligns two organisations, both committed to driving innovation and tackling the green skills gap.

In December 2024, Cyd Innovation provided £1,000 of funding to support MSparc's award-winning Egni STEM program. The funding supported the creation of a physical 'Eco-house' model to accompany their Welsh-speaking STEM workshops.

The Eco-house project addressed a practical need. While students learned about renewable energy through model wind turbines and hydro pumps, they needed a resource that connected the technologies to their everyday lives.



I had never done CAD before, and it was great to see our model coming to life as part of the Eco Village.

The Eco House showed how our solar panels could actually work in real life, it turned the lights on!

It's very exciting to help develop the Eco Village, and know that other children will now be able to see our ideas and help them to learn!

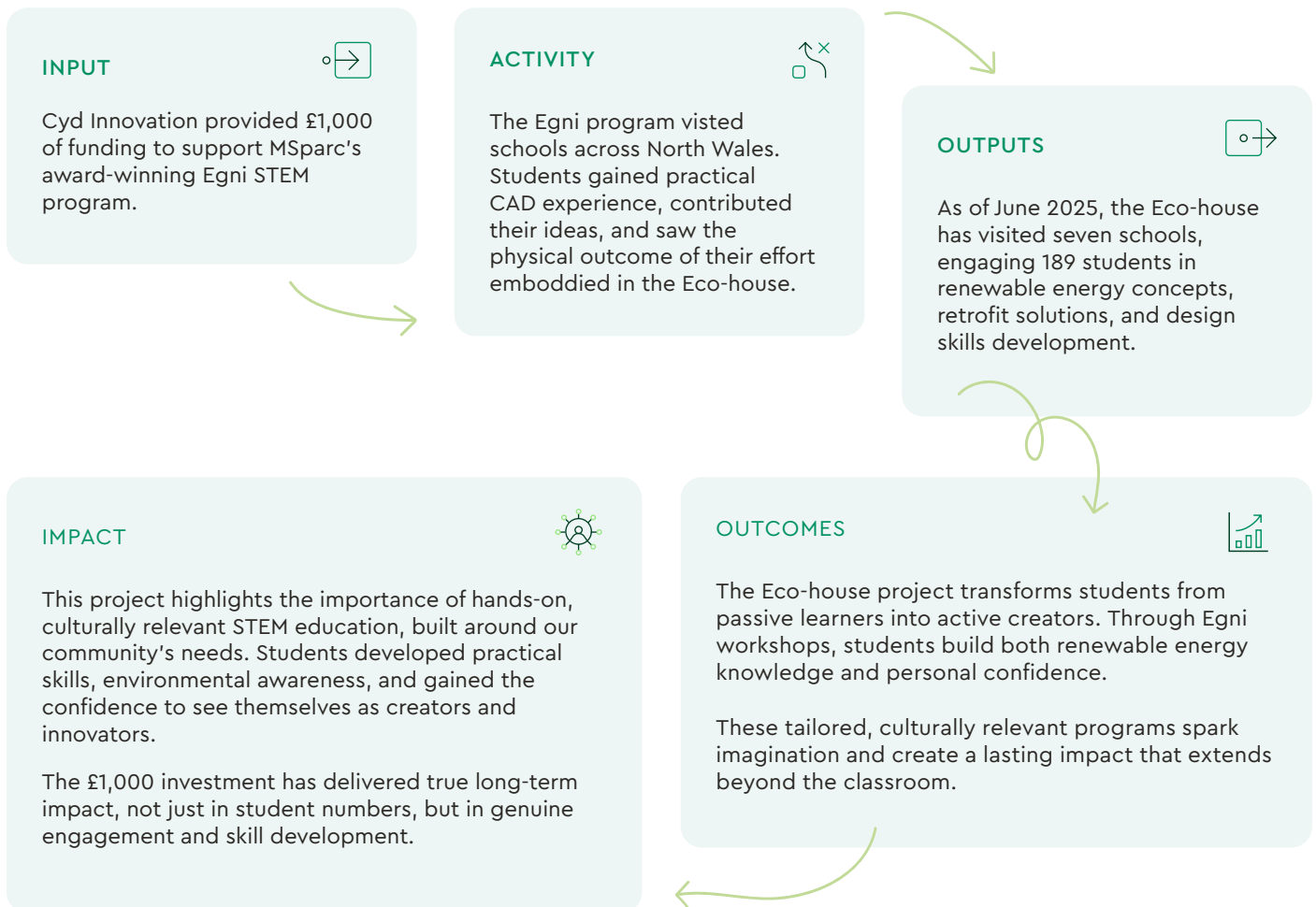
SESSION SPOTLIGHT

Egni Workshop

The Egni workshop visited local schools, engaging students directly in the design process using Computer-Aided Design software to create their ideal Eco-house. Student ideas were incorporated into the final build, constructed by one of MSparc's apprentices. The ambitious scope of student's ideas transformed the original Eco-house concept into an entire Eco-village!



MAPPING THE IMPACT



LOOKING AHEAD

The Eco-house will continue traveling to schools across North Wales, creating a sustainable educational resource that inspires students to engage with STEM, while celebrating Welsh language and innovation.

