

Steelhead Composites and Graphmatech Are Developing Improved Hydrogen Storage Tanks with Graphene

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The companies will develop and produce a new high performance type IV pressure vessel liner. Expected improvements include reduced hydrogen leakage and increased resistance to extreme thermal- and pressure conditions.

The partnership combines [Steelhead Composites](#)' leading pressure vessel technology, services, and market position with [Graphmatech's](#) graphene-polymer composites for the hydrogen economy.

Graphmatech's patent-pending technology mixes graphene flakes in the polymer matrix evenly, preserving much of graphene's amazing material properties. In comparison to competing materials, the resulting graphene-polymer composites are, among other things, less permeable to gas, more electrically conductive, more thermally conductive, and easier to process in a wide range of manufacturing technologies.

"Partnering with Steelhead Composites is a big step forward in our mission to enable the green transition with graphene. We're eager to develop and launch this graphene enhanced hydrogen pressure vessel liner together," says Dr Mamoun Taher – CEO & Founder of Graphmatech.

"As we strive to manufacture and deliver the best hydrogen storage solutions across the globe, we are thrilled to embrace innovative technologies like Graphmatech's graphene-polymer composites," says Andrew Coors, CEO of Steelhead Composites.

Read the [original article](#) on Graphmatech.

