

# THE X-STORE TYPE 4 CNG HIGH-PRESSURE CYLINDER FROM XPERION: AWARD-WINNING TECHNOLOGY.

**At GasShow 2014 in Warsaw, xperion Energy & Environment received the INPRO Award in the category of "Innovation & Development".**

The INPRO Awards were awarded during this year's GasShow, and xperion Energy & Environment GmbH was distinguished in the category of "Innovation & Development" for the X-STORE CNG composite high-pressure cylinder.

The importance of alternative fuels is ever increasing today. With a steady stream of new innovations, xperion reinforces its commitment to remaining an important contributor to the expansion of the global CNG market. The focus lies on developing storage tanks, especially for car, bus and truck applications, as well as for the secure transport of gases.

The company consistently sets new

standards with its lightweight components that are "Made in Germany". Just last year, xperion's high-pressure cylinder for hydrogen was awarded the title of the world's best technology by Adam Opel AG.

With the patented X-STORE Type 4 hybrid design, xperion has succeeded in developing an especially robust high-pressure cylinder. During the production process, a polymer inner liner is covered with carbon fibres soaked in resin and finally wrapped in fibreglass. This innovation utilises the individual properties of carbon fibre and fibreglass in an optimal way. The cylinder

is up to 70% lighter than conventional solutions of steel and also exhibits excellent fatigue strength and resistance to corrosion.

The innovative design offers impressively high storage volume and low weight while being very robust and economical.

**xperion Energy & Environment, a company of the family-run AVANCO Group, is a leading manufacturer of Type 4 high-pressure cylinders headquartered in Kassel, Germany. The development of the new X-STORE High Cube containers is a further milestone in securing the company's global technology leadership.**

