



SYNOCHEM



Gas storage

*Safe fuel tanks
for CNG driven vehicles*

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Gas storage is a project that rose from scientific interests of a group of friends. Behind the project lies the idea of safe and widely popular CNG vehicles.

Within the project we develop production methods of sorbents – activated carbons – for low pressure natural gas storage in fuel vehicle tanks. Prepared activated carbons allow to maintain the same tank storage capacity and twice pressure reduction when compared to tanks without sorbent. Twice pressure reduction means twice passenger safety improvement, due to a decrease of tank explosion hazard in the case of tank unsealing. Additionally, costs of the gas compression and pressure tanks production are reduced when sorbents are employed.

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