

## PROJECT DOSSIER

# PENNSYLVANIA CHEMICALS SHELL CRACKER PLANT PROJECT



Project	<b>PENNSYLVANIA CHEMICALS SHELL CRACKER PLANT STRUCTURES PROJECT</b>
Location	Pennsylvania, USA
Client	Fugro USA Land Inc
Owner	Bechtel
Installation Partner	Foundation Test Group
Year	2020

## PROJECT OVERVIEW

Constructed over 360 acres, Pennsylvania Chemicals, Shell Cracker Plant is one of the largest industrial construction projects in the USA. The plant will use ethane to produce 1.6 million tonnes of polyethylene per year.

The facility is built on the banks of the Ohio River in Potter Township, Beaver County, about 50 kilometres (30 miles) north-west of Pittsburgh. Several plant buildings were constructed on thick fill layers.

Rite Geosystems' magnetic extensometers were installed to monitor the settlement under four buildings. The extensometers were installed in boreholes depths changing between 50 ft and 130 ft.

