



**Safety**

## Deployable Backpanel Airbag

**OEM/Vehicle**

Ford Motor Company  
2018 Lincoln Navigator

**System Supplier**

Great Lakes Trim

**Material Processor**

Great Lakes Trim

**Material Supplier**

Advance Composites

**Resin**

TPO

**Tooling/Equipment Supplier**

Commercial Tool & Die



The back-panel design allows for the airbag to deploy from inside the seat back, through of the “hinging” of the back panel. Existing materials were used for best value. A 1.7kg weight savings and \$3.00 - \$4.00 cost savings per vehicle resulted. An additional \$300,000 to \$400,000 cost savings was saved in testing by eliminating trim variants. The seat design does not require the existing “door cover”, thus a more refined interior appearance is achieved.