CASE STUDY

CHALLENGE

SOLUTION

BENEFITS



Scissors Platform Lift Primary Hydraulic Valve Assembly

Price Engineering was tasked by an OEM to reducing the size and complexity of the hydraulic system on a scissors platform lift. Customer also required that the electric solenoids be explosion proof with a high degree of control.

Price Engineering and Eaton Corporation collaborated to design and supply an integrated hydraulic manifold assembly incorporating Eaton explosion proof screw-in cartridge valve technology. The manifold was manufactured by Eaton in their Reynosa, Mexico facility using one of their state of the art 5-axis CNC machining centers. 5-axis machining resulted in an assembly that occupied far less real estate than the previous design.

- 1. Assembly size is extremely compact.
- 2. Substantially reduced the amount of hoses and fittings required to connect the system.
- 3. Plumbing is simpler and faster to install.
- 4. System is more efficient and offered an overall reduction in cost to the OEM.



