

# STREAMLINING ABRASIVE SLURRY TRANSFER BOOSTS EFFICIENCY

## NOVADOS Diaphragm Pumps



Bran+Luebbe® helps leading chemical processing companies increase efficiency and reduce downtime with improved product quality.

### Challenge

Our customer was experiencing delays in maintaining a fleet of pumps used for the transfer of highly abrasive liquid slurry in the production of Hexamethylenediamine (HDMA.) The pumps transferred a combination of Adiponitrile, Hydrogen and Ni-based catalyst to a reactor, where it was hydrogenated to produce HDMA, an ingredient of nylon 66. The abrasive material caused the pumps to leak and require unscheduled maintenance resulting in product delays and operational inefficiency.

### Solution

The NOVADOS diaphragm pump was selected as the solution to meet their needs. Specifically engineered to reduce wear, a triplex ball valve with hardened material was designed to transfer the highly abrasive slurry. Because our solution included variable stroke speeds, the pump was optimized to efficiently process the slurry — and fast sedimentation was avoided.

### Result

The customer has been using our solution for more than two years without a failure or loss of production due to unplanned maintenance. Engineered for reliability, the NOVADOS diaphragm pump is a perfect solution for harsh and abrasive environments.



“A perfect  
solution for harsh  
and abrasive  
environments.”



[www.spxflow.com/bran-luebbe](http://www.spxflow.com/bran-luebbe)

**Bran+Luebbe®**  
SPXFLOW®