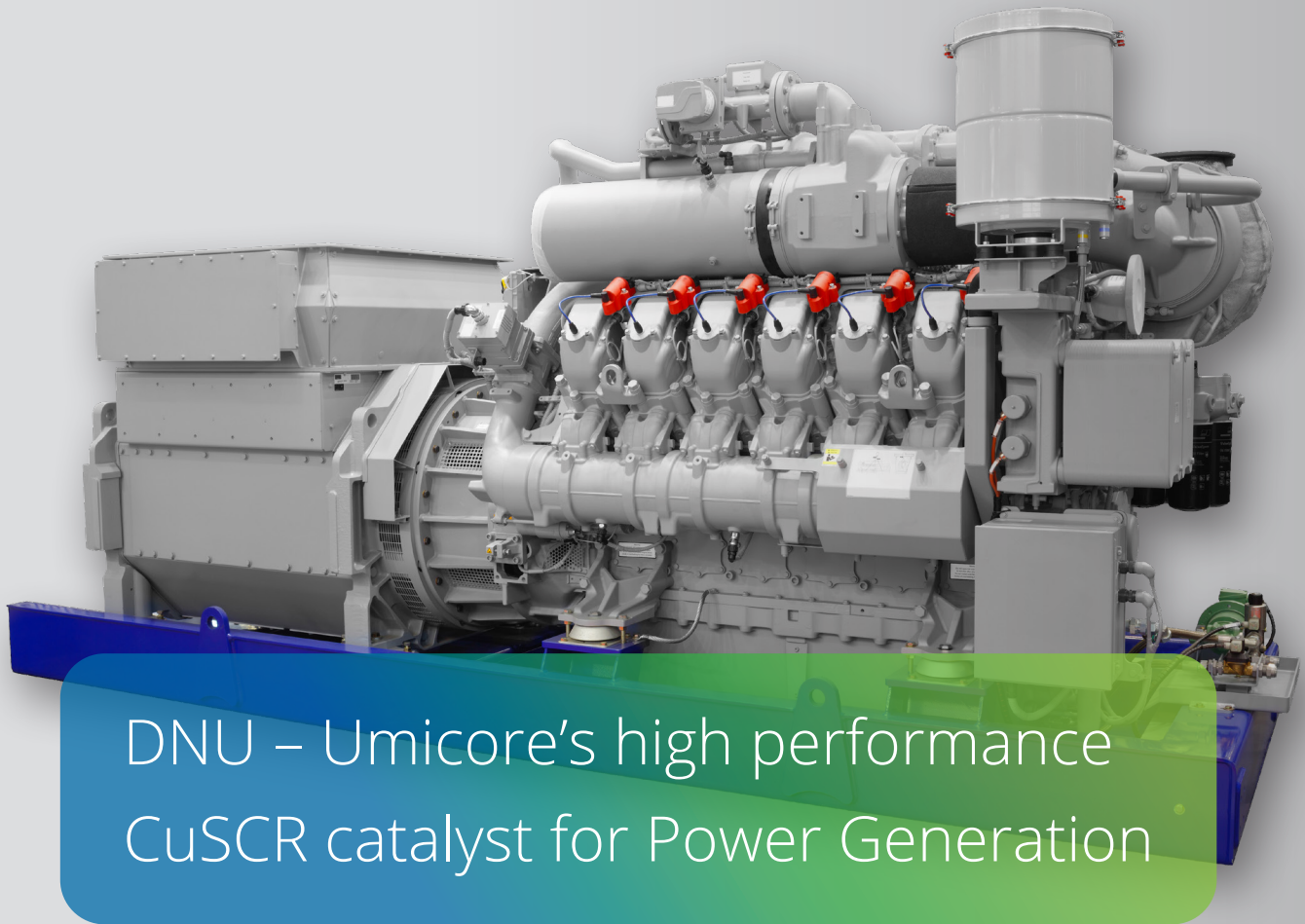
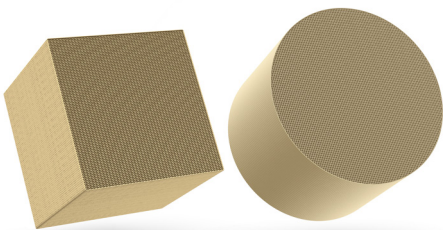




DNU – Umicore's high performance CuSCR catalyst for Power Generation

State of the art Copper SCR catalyst

The Power Generation Industry's need for energy is ever more demanding, driven by growing electricity needs and the accelerating power consumption of data centers. Securing reliable operation and efficient power output while keeping within environmental regulations is paramount. Umicore offers a unique and diversified program of coated catalysts for the Power Generation Industry. Our solutions include efficient removal of NO_x, NH₃, CO, VOC, N₂O, and particulate removal. For high NO_x efficiency using clean fuels at the lowest possible footprint, our DNU copper zeolite-based catalyst is the clear choice. Optimized for Back Up Diesel Engines and for continuous Power Natural Gas Engines especially for data center applications.



The benefits of DNU

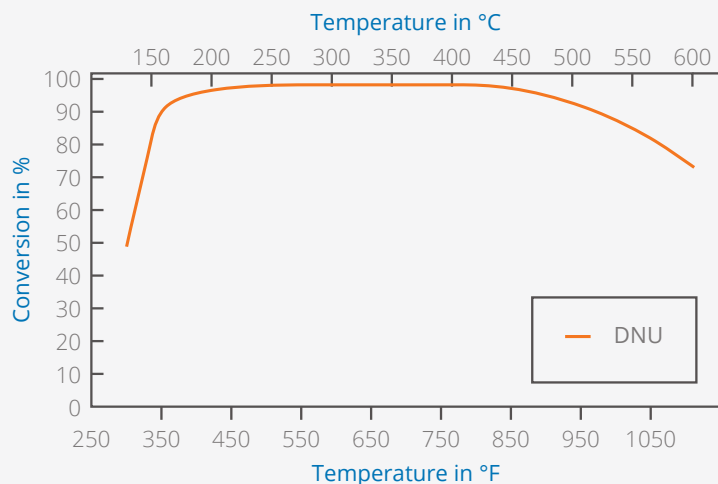
- Excellent low- and high-temperature NOx conversion
- Lowest catalyst volume possible ($\geq 30\%$ lower vs. V-SCR)
- Short lead times and supply from multiple global production plants
- Umicore's proprietary coating of ceramic substrates
- Tungsten- and titanium-free technology, limiting reliance on materials affected by geopolitical pressures

System Design & Integration

- Design temperatures from 350 °F to 1160 °F (175 °C to 625 °C)
- **Available geometries:**
 - Round: 10.5" x 6-12" depth - 300/5, 400/4 cpsi
 - Square: 150 x 150 x 50-250mm - 230/8, 270/6 cpsi
- **DNU can be combined with Umicore's other catalyst technologies depending on fuel type and conditions:**
 - cDPF + DNU for : Particles & CO/VOC Oxidation + NOx
 - DNU + DNA for : NOx + Ammonia Slip
 - DOX + DNU for : CO/VOC Oxidation + NOx

DNU Performance

Backed by over 40 years of catalytic emissions expertise, Umicore supports global data center operators with proven, future-ready SCR technology



Visit us on the web and find your local contact person



fcs.umicore.com/dnu

www.umicore.com

With over 40 years of experience in catalytic emission control, Umicore offers solutions for a wide range of applications and industries. We have more than 10,000 industrial references for catalytic oxidation, SCR, catalytic particulate filtration, ammonia oxidation and N₂O reduction catalysts, making Umicore the right partner for a cleaner, decarbonized world.

