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SDN®

SDN® Technology allows for low-cost, high-throughput nanocomposite multifunctional coatings deposition on almost any substrate.

**Flame Report: Thixorion™  
2015**

**New Report on Advenira's Thixorion™ Coating notes drastic improvements in terms of friction coefficient reduction by measuring the torque needed to rotate the rod within their assembly!**

Flame LLC ran a series of tests on their parts coated with Advenira's Thixorion™ coating, and reported drastic improvements both in terms friction coefficient reduction by measuring the torque needed to rotate the rod within their assembly. Flame LLC reported that the torque value was 50% lower than on their current production parts with another type of coating, and that the value remained the same throughout the testing period, indicating that there was no increase in parasitic adhesion throughout the entire testing period. (For comparison, they have seen up to 500% increase in parasitic adhesion over the 5-day period with their current production coating).

### **Friction coefficient modifier/reducer**

Reducing the coefficient of friction between various driven parts leads to significant efficiency increases and operating cost reduction due to reduced energy consumption.

### **Unwanted (parasitic) adhesion inhibitor**

Any adhesion between moving and stationary parts is detrimental to system efficiency; such parasitic adhesion only gets worse over time. Advenira's SDN® coatings dramatically reduces the effects of this unwanted phenomenon allowing for higher system efficiency, reduced wear, longer uptime and significant operating cost reduction.

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#### **About Advenira Enterprises, Inc.**

Advenira Enterprises, Inc. is a California-based company located in the heart of Silicon Valley known for its novel Solution Derived Nanocomposite SDN® technology that allows for low-cost/high-throughput multifunctional coatings deposition on practically any type/shape/material substrate. The nanoscale protective and optical coatings are environmentally friendly. The company was founded as a means to address the world's increasing energy consumption and waste. Advenira commercializes its patented technology in the Glass, Corrosion, Electronics and other markets – spanning the world's most important industries - with dramatic advantages over traditional techniques and materials. For more information, please visit [www.advenira.com](http://www.advenira.com).