Utilizing High Velocity Thermal Spray for Improving Reliability of Mission Critical Equipment

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When considering options for upgrading the internal metallurgy of process equipment to improve performance and extend asset life, there are several factors that need to be considered. These include, but are not limited to, material development, the delivery system, method of application, and time. It is important to understand not only the differences in how these systems are produced and implemented, but also, how seemingly indistinct differences in these solutions can lead to vast differences in the applied performance and the longevity of protection they provide. Through decades of ongoing research and development, the High Velocity Thermal Spray process (HVTS) provides all the benefits of these other systems, whilst at the same time overcoming their main drawbacks and limitations. Its performance, speed of application and suitability for in situ application is why it is now considered as the most reliable surface protection system available on the market today.