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Magnesium in Aircraft Session**

Title: Combating Corrosion in Magnesium using New Generation Alloys and Modern Coatings such as Tagnite

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Magnesium can be protected to prevent corrosion, providing users with years of service. Magnesium castings on the B-52 and KC-135 which are over 45 years old are still in use. With the advent of low corrosion rate alloys such as WE43 and modern coatings like Tagnite, employing weight saving magnesium into aerospace and defense platforms can be more easily accomplished than in years past, without corrosion concerns. This talk will primarily focus on protecting magnesium from corrosion using the Tagnite anodic coating and basic aerospace approved paints.