# Steering knuckle v0.1 Focus on topology optimisation without SiC-NP









Steering knuckle v0.1 Focus on topology optimisation without SiC-NP

# Steering knuckle v0.2 Focus on castability in green sand casting









Steering knuckle v0.2 Focus on castability in green sand casting

### Steering knuckle v0.3 Focus on castability in LPDC raininforced with nSiC-NP









Steering knuckle v0.3 Focus on castability in LPDC raininforced with nSiC-NP

# Steering knuckle v0.4 3D-printed model, focus on max topology optimisation









Steering knuckle v0.4 3D-printed model, focus on max topology optimisation

### Aluminium-SiC Additive for star Manocomposite









Aluminium-SiC Additive for Metal Matrix Nanocomposite

# Aluminium-TiC Additive for string Matrix Manocomposite









Aluminium-TiC Additive for Metal Matrix Nanocomposite





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ENCIGHT EVS



Welded component







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Extruded Al-MMCs component

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Text