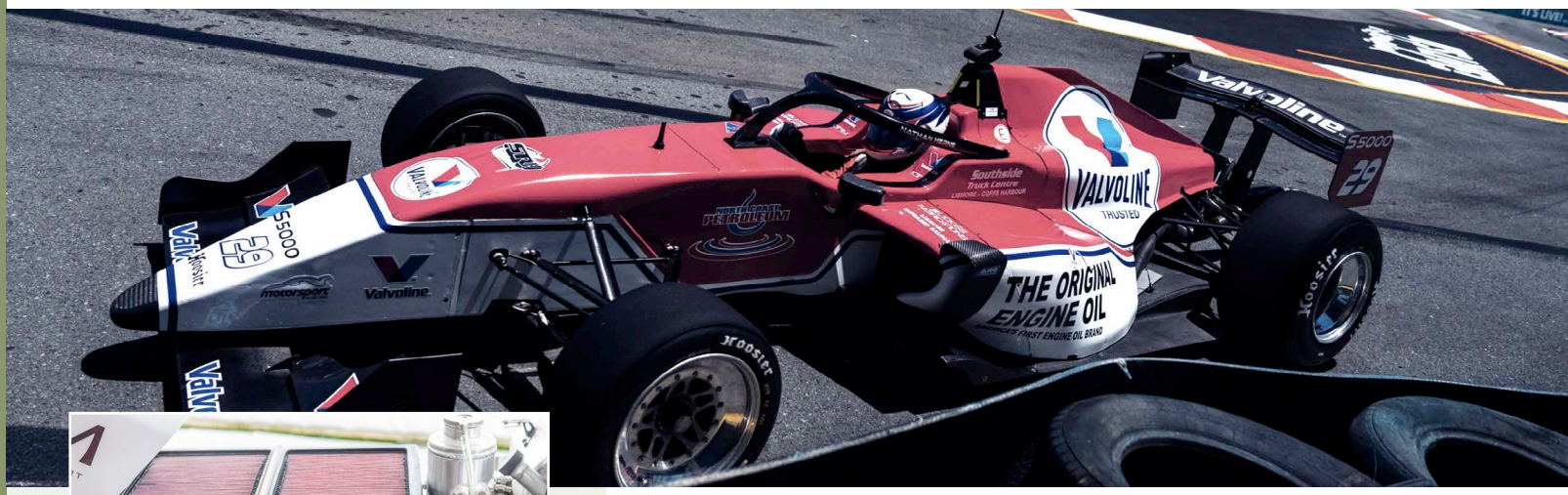
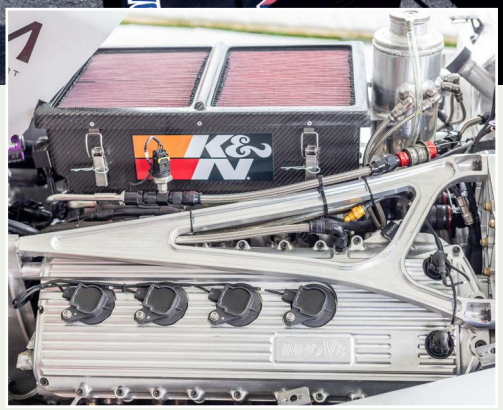




Value Summary

In motorsport being able to replace parts quickly can be the difference between winning a race and being disqualified.

Production Method	Production Time
Manufacturing (Casting or Machining)	6-8 weeks
SPEE3D CSAM Aluminum 6061	16 hours

S5000 Rear Support Bracket

Producing emergency replacement parts on-site to gain a technical edge over competitors.

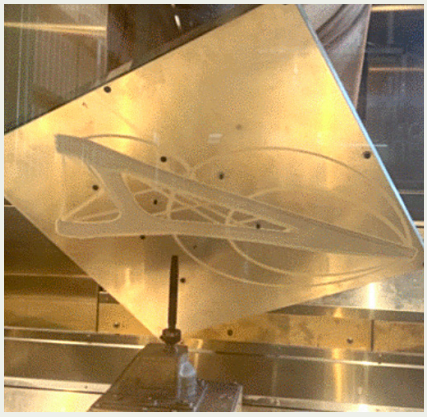
Background
The S5000 racing series is an opened wheeled road race based in Australia. It is the pinnacle of Australian open wheeled racing and a development ground for future Australian Formula One talent.

The Challenge
The unpredictable world of high-level motorsport means that every eventuality cannot be predicted; parts become damaged or worn in unforeseen ways. Logistically, it's not viable to carry large inventories of every component from race to race and stocks can become depleted unexpectedly.

The Solution
SPEE3D's Cold Spray Additive Manufacturing (CSAM) technology can 3D print metal replacement parts from design to deployment in 14 hours to be ready for racing the next day.

The Value
In order to win a race, you need to finish the race. The ability to produce replacements or modify part at the paddock can give racing teams a huge technical advantage over the competition. CSAM technology can quickly produce parts in a variety of different materials, up to 40kg, giving teams the flexibility to overcome the challenges in modern-day motorsport.

Design to deployment in 14 hours



Print: 2 hours

Aluminum 6061, 2.4kgs of material

Cook: 12 hours

Heat treated in a standard air furnace

Cut: 2 hours

Critical surfaces machined on CNC

About The Equipment

The S5000 racing series is an opened wheeled road race based in Australia. It is the pinnacle of Australian open wheeled racing and a development ground for future Australian Formula One talent. The cars are very similar in design to Formula One, in that they are a mid-engine open wheeled racer based around a carbon fiber tub, with the chassis being made of the engine, gearbox and support struts like these.

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