

# Alloy Evolution

## Introducing SHP Ultimate

## Enhanced Material Performance

We offer a world class stock inventory for the Motorsport market

We align ourselves with the world's leading manufacturers and metallurgists to develop alloys that are suited to our customers' requirements.

Customer expectation involves pushing our alloys to the absolute limit and our materials have evolved over time to improve component performance in the most demanding operating environments. Part of this evolutionary process includes the growth of our stock inventory and the development of support processes and supply chain packages to meet customer demands.

### Design Drivers

We specialise in the development of new and existing alloys by gaining a clear understanding of our customers' design drivers and pushing the boundaries in terms of both chemical and mechanical properties to enhance overall performance. We are continually evaluating existing alloys and developing new ones to meet the ever changing challenges being set by designers and engineers at the pinnacle of motorsport.

### About SHP Ultimate

**SHP Ultimate:** a range of alloys offering **increased chemical and mechanical properties** when compared with standard alloys.

For example, **SHP 6246 Ultimate** is a titanium which offers increased mechanical properties of **up to 15%** when compared to the standard 6246 titanium alloy. This enables our customers to be even more aggressive when designing components made from 6246.

