

Digital Twin Technologies: key legal contractual considerations

by Kay Chand

As we continue into 2023 with economic uncertainty, utilising lessons learned from the Covid pandemic and the ongoing ramifications of the local and global measures put in place to manage the spread of that virus, organisations continue to seek efficiencies, retain or obtain a competitive edge and measures to improve productivity.

One of [Gartner's tech trend predictions](#) for 2023 is 'Industry Cloud Platforms'.

Gartner has predicted that 'by 2027, more than 50% of enterprises will use industry cloud platforms to accelerate their business initiatives.'

Industry clouds create value for organizations by incorporating cloud services traditionally purchased separately into preintegrated but customizable (composable) industry relevant solutions.

As such, they can increase organizational agility, speed innovation and accelerate time to value. Linked with this Forbes has predicted a bridging of the digital and physical world via two components: Digital Twin Technology and 3D printing.

So what is Digital Twin Technology?

According to

more digital twins, from factories to machinery to cars to precision healthcare.

By way of example, 'Formula 1 teams currently collect data transmitted from sensors during races, as well as race track temperatures and weather conditions, to see how cars change during races.' [Tech in Technology](#)

has the potential for ubiquitous application from those predicted above by Forbes and beyond including in buildings, construction, farms, energy networks, railways, stadiums and 'smart' cities.

Key legal considerations in procuring Digital Twin Technology solutions

The key legal considerations in procuring Digital Twin Technology solutions will not be vastly dissimilar from those applicable to the procurement of other digital technology solutions (including as regards to pre-contract considerations). However, particular attention should be given to data, security, confidentiality and intellectual property rights.



