

SENSORS INSPIRED BY UNMANNED AIRCRAFT TECHNOLOGY KEEPING BRITISH BMX RIDERS ON TRACK FOR GOLD



BAE SYSTEMS
INSPIRED WORK

- ① **ON AVERAGE RIDERS WILL SPEND 40% OF THE RACE IN THE AIR**, therefore negotiating the track's jumps and achieving the perfect trajectory can shave vital milliseconds from an athlete's time.
- ② **OPTICAL SENSORS** on the side of the track detect emitters affixed to the bikes, providing real-time data of a rider's speed and trajectory - with precision not possible before now. The sensors are inspired by technology from a cutting-edge unmanned aircraft programme.
- ③ **DATA** is relayed immediately to a specially designed app giving riders and coaches information on where time has been lost, so that jump techniques, trajectory and race strategy can be tweaked and perfected.

