



Servicom are delighted to be partnering Bloodhound SSC in their quest to create a new land speed record and inspire the next generation with the amazing possibilities of science.

Bloodhound, like all visions, began with a single idea; to create that new record. From there the team have built that dream; drawing on expertise from Rolls Royce, Swansea University, Institute of Mechanical Engineers, the Army, RAF and many more besides.

October 2017 Newquay Airport

One of the first outings for Bloodhound where spectators experienced Bloodhound SSC blasting down the 1.7mile long runway at Cornwall Airport Newquay. Servicom provided on-site communications for the event and were excited to be involved at every level. Communications, as with all large scale events, are key to organisation and safety; especially so where the occasion involves rocket technology and the public.

Bloodhound, to assist with the record challenge, has an integrated communications system with Press to Talk (PTT) controls on the steering wheel. This enables the engineering and support team to be in constant contact with the driver. The integrated Digital Mobile Radio (DMR) portable radio is situated in the cockpit. All equipment going into the vehicle needs to be carefully sited; although the vehicle is over 13 metres long space remains at a premium; there's a lot of engineering and technology to fit in there. Additionally Servicom are developing a specific antenna that best suits the needs of a 1000mph car.

Crucially for Servicom the Newquay event was also a live development test for the vehicle to trial the realities of communications where speeds are in excess of normal operations. The whole team on site for the event were connected by Servicom's systems. Servicom supplied DMR technology to keep information flowing during the event and supported around 100 radio units. From contact with the airfield control to safety marshals Servicom ensured everyone remained in touch. Radio contact for all the team on site was vital throughout including contact with emergency services and engineering teams. On the Newquay run the team achieved speeds in excess of 200mph to test the vehicle jets.

For the public coming on to the site Servicom's radios were there for crowd management, event security and health and safety purposes. Our team worked with Bloodhound to keep visitors safe and provide the very best experience; supporting the overall aim of the project; to inspire.

Bloodhound SSC is the car designed to go beyond supersonic to over 1,000mph covering a mile in just 3.6 seconds. The vehicle is a work of complexity and near genius bringing together a highly modified Typhoon jet engine with 65,000 HP, a hybrid Falcon rocket of 70,000 HP and to pump the rocket a Formula 1 engine with 700 HP.

This challenge to current records aspires to set new benchmarks for technology and science at every level.



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