

Project specification

SABRE Ballistics' unique multi-disciplinary team can assist in the design and specification of ballistic research and test facilities for weapons, ammunition, armour and other applications.

Range design and construction

Range design and construction is a complicated task with official approvals, health and safety, security, technical requirements and space limitations to take into account. SABRE can design and construct test ranges as part of a "turnkey" project, depending on local legislation. We can also assist with consultancy as required and work with local contractors.

Typical test ranges are equipped with: ventilation; access security; a preparation area; weapon and / or test gun mount; instrumentation / cabling and a stop butt.

It is very important that the highest energy ammunition required to be fired is determined at the beginning. Also, the size (cross section) and the length of the range can be difficult and expensive to update later.

In addition, it is important to identify all the uses (even incidental uses) at the beginning, so SABRE can give better

advice. For example, if drilling of live rounds is required, the range is likely to need provisions for accidental detonation during drilling.

Installation and commissioning

As part of a project, SABRE can install and commission ballistic test equipment. This can often be combined with training.

Technical Support & Training

In addition, SABRE can provide training in the use of ballistic test equipment and ancillary technical support in its application to weapons, ammunition, armour testing or related fields.