

Improved Helmet Safety

Status: Available

Group Members: TBD

Sponsor(s): Innovata Labs

Supervisor(s): Combiz Jelveh, PEng. President,

Mould Creation

Test bed Preparation

Vibration and modal analysis of sample helmets with and without the layer

Prototype creation with different Materials and Geometries

Structured tests of these different prototypes

Design optimization based on test results

Creation of optimized prototype and verification tests

Creation of full scale prototype and application to helmet

Full scale helmet tests (with and without protective layer)