

Concept definition of world leading proving ground for future mobility testing

CLIENT: TRANSPORT AUTHORITY

BACKGROUND: The client wants to set-up a world leading proving ground for future mobility testing. FEV was asked to define the strategy & scope and support the design process.

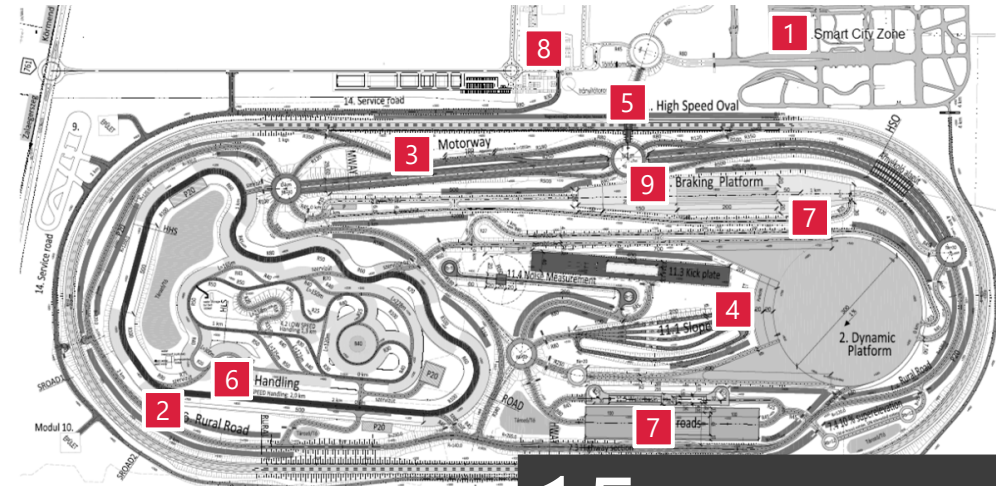
DELIVERABLES

- Benchmarking of the 13 most advanced proving grounds
- Feasibility study including financial business case
- Definition of proving road vision, mission and strategy
- Voice of the customer process with 30 interviews to identify customer needs, use-cases and validate strategy
- Design of >15 testing modules based on more than 500 requirements derived from more than 300 test scenarios
- Development of 40 engineering drawings incl. 3D model
- Definition of location assessment criteria and selection of the optimal location for the proving ground
- Selection of potential M&O companies based on comprehensive capability assessment
- Implementation strategy and plan with risk evaluation
- Development of marketing materials: Video, Map, Booklets

PROVING GROUND DESIGN

>> ILLUSTRATIVE

- (1) Urban (2) Suburban (3) Expressway (4) Hill (5) Oval/Durability
(6) Handling (7) Aerial (8) Research (9) Braking / NVH ... and more...



15 TEST MODULES

>70 BENCHMARKED PROVING GROUNDS

>300 TEST SCENARIOS