

portfolio 2020 /2021

Proving Ground Features and Services

**best answers
for future transport**

DigiTrans GmbH
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Our services for your technology of the future

Gain clarity about the status of your Developments and find answers for the technologies of tomorrow!



Info

We provide comprehensive know-how and the ideal team structure, and facilitate and provide support for the testing, validation and research for the widest range of vehicle types.

Our agreement with Magna provides us with capacities at the St. Valentin proving ground.

Know-how

Benefit from our knowledge in the field of automated commercial vehicles. We will gladly work together with you to improve your products and put them quicker on the road. Our staff will be willing to assist you with questions concerning permits, deployment, aerodynamics and accident reconstructions with their specialist knowledge.

Test environment

Use our 40ha large proving area with comprehensive testing options, asphalt and circular tracks, and 7km offroad tracks for testing.

Service

We will support from planning your test up to evaluation, and gladly take care of you on site.

Booking:

info@digitrans.expert
+43 732 60 46 59

2020 proving ground and test areas

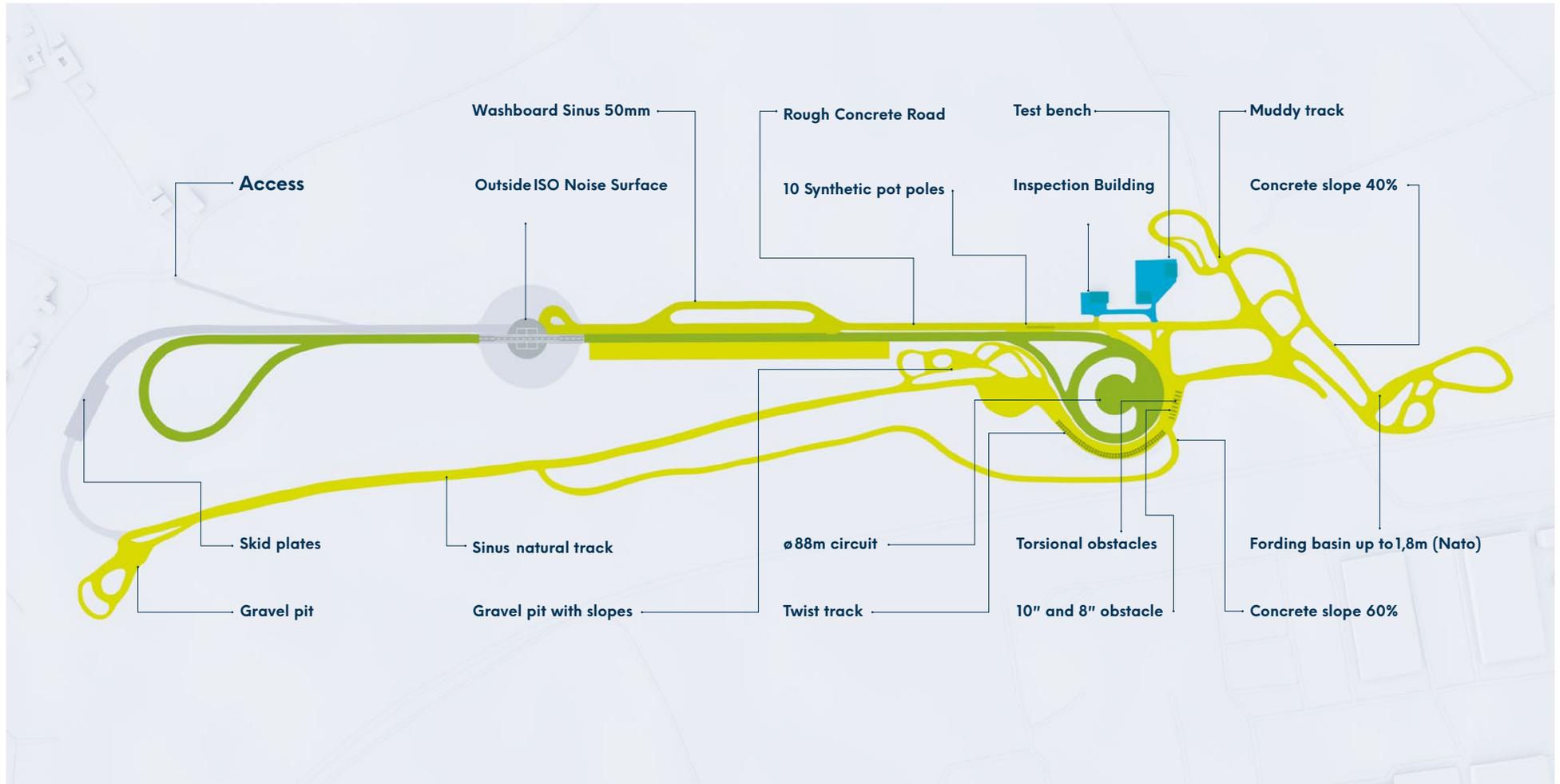
Facts:

40ha Proving ground

2,2km Asphalt track

7km Offroad track

- Asphalt track
- Offroad terrain
- Inspection area



2020 proving ground impressions



Product overview 2020

Asphalt track

- acceleration testing
- outside ISO noise testing
- cornering testing
- tyre testing
- different crash scenarios



Offroad terrain

- pitch and roll movements
- shock tests
- ramps (40%/60%)
- rough concrete road
- muddy track and gravel pit
- fording basin to 1.8m (NATO)



Inspection area

- vehicle inspection
- office building
- event location



Booking options

Non-exclusive*
by the hour

Exclusive:**

half day from: **06:00 - 13:00 Uhr**

half day from: **13:00 - 22:00 Uhr**

whole day: **06:00 - 22:00 Uhr**

72h special discount

Should you need to cancel because of Coronavirus restrictions, you can do so without a problem up to **72 hours** in advance.

* Non-exclusive You will be sharing the proving ground with other users.

** Exclusive: The entire asphalt track will be reserved only for you.

Costs per vehicle and hours commenced, excluding flat support rate and excluding operating costs.

Booking:

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+43 732 60 46 59

Asphalt track

Features



acceleration testing

2,2km round trip
marked circle diametres: 40m/30m/88m



ISO conform noise testing



scenario testing



different road marking

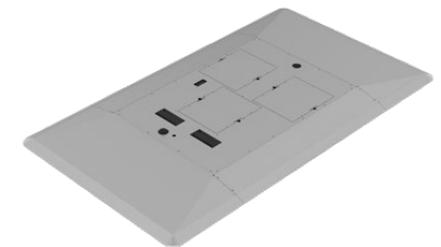
lane changing by ECS STD
(6m offsite and ISO 38888, 3,5m offsite)



from:
183€ /h

Additional equipment

In order to make the test situations as realistic as possible, on request we will provide you with test equipment such as driving robots and dummy passengers. Let our experts know your requests when planning.



© Humanetics Austria GmbH

Offroad terrain

Features



pitch movements



shock tests



pitch and roll movement



ramps (40%/60%)



from:
183€ /h

Track details

Along with typical physical and mechanical loads, use sensors such as Lidar, Radar, mono and stereo cameras under rugged offroad conditions for testing on the test track. Vibration tracks in different frequency ranges, twist tracks and sharply rising and falling carriageways are available.

Offroad Terrain

Features



rough concrete road (pot holes)



muddy track



gravel pit



fording basin up to 1,8m (NATO)



from:
183€ /h

Track details

You can also use our natural offroad stretches with water and mud basins for testing. Use the forging basin (NATO) with a depth of up to 1.8m for also testing heavy all-terrain vehicles.

Inspection site

Features



truck and vehicle inspection facilities



office building



event location



from:
183€ /h

Inspection site details

Our cooperation with Magna allows us to offer you numerous additional engineering services.

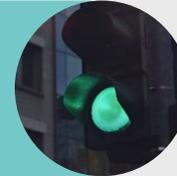
The buildings and asphalt surfaces on the proving ground also offer possibilities for product presentations and events. We can also gladly add tents and a catering service on request..

Overview 2021 - 2023

Crossing



Smart traffic light (C-ITS)



R65 curve



Roundabout



Various road markings



Dynamic area
Driving dynamics
length: 600x20m



Outdoor rain system
length: 100x6m
4 sizes of drops



Hub Zone
Loading area for testing
docking manoeuvres



City zone
City traffic zone with 250m
toad links with different verges



Smart lighting
(M1-M6, length: 320 m)
Alternating light
and shadow



image: Freepik.com

Ideal environment for integrating tests of:

- automated and networked vehicles
- various traffic scenarios
- widest range of commercial-vehicle uses
- automated driving functions in poor weather and difficult road conditions

Development up to 2022

New!

- Roundabout
- R65 curve + crossing
- City Zone
- Dynamic area
- Hub Zone
- Rough weather conditions



The fastest way to the best track



Our team will gladly offer you support.



Office:

DigiTrans GmbH
Hamerlingstraße 42
4020 Linz, Austria

Access to the Proving Ground:

opposite Weindlau 41
4432 Ernsthofen, Austria



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