#### **ADAC**

# Welcome to 25 acres of joy at driving

In the **Fahrsicherheitszentrum Berlin-Brandenburg** you can experience pure driving pleasure under perfect track conditions





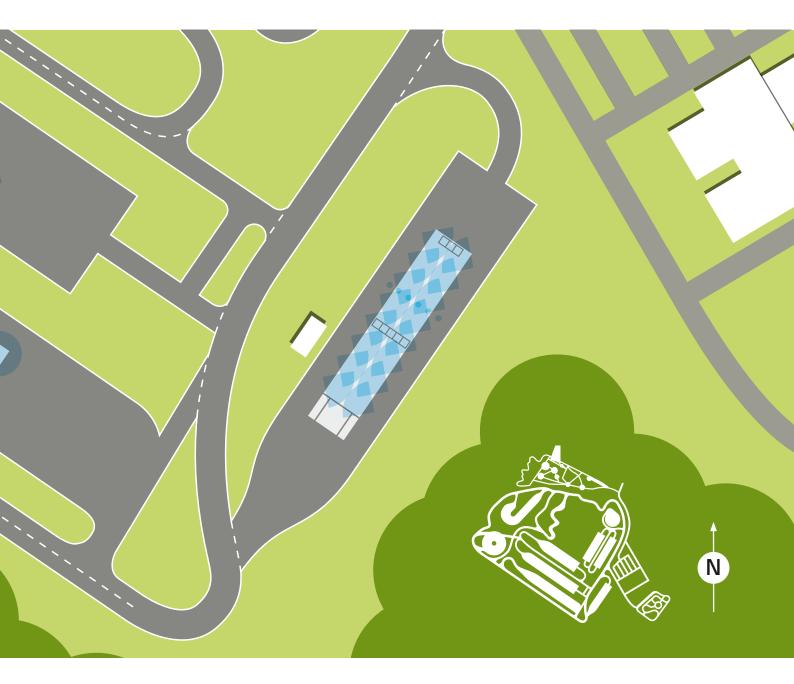
#### The Premises



- 1. Dynamic plate for passenger cars with sliding surface
- 2. Dynamic plate for commercial vans with sliding surface
- 3. Multifunctional track with longitudinal aquaplaning
- 4. Braking track with 4 different road surfaces
- 5. Circular track for commercial vehicles with a sliding surface
- 6. Downhill cornering track with a gradient of 10%
- 7. Downhill course and corner with a sliding surface and a gradient of 7%
- 8. Dynamic plate for passenger cars with sliding surface

- 9. Multifunctional zone
- 10. Circular track for passenger cars
- 11. Large circuit
- 12. Small circuit with wet handling
- 13. Mid-sized circuit
- 14. A module for cornering and a karting track
- 15. Off-road terrain
- 16. Parking and event location
- 17. Functional building

A note on the modules: The containers of each module are air-conditioned. The toilets are in the functional building.

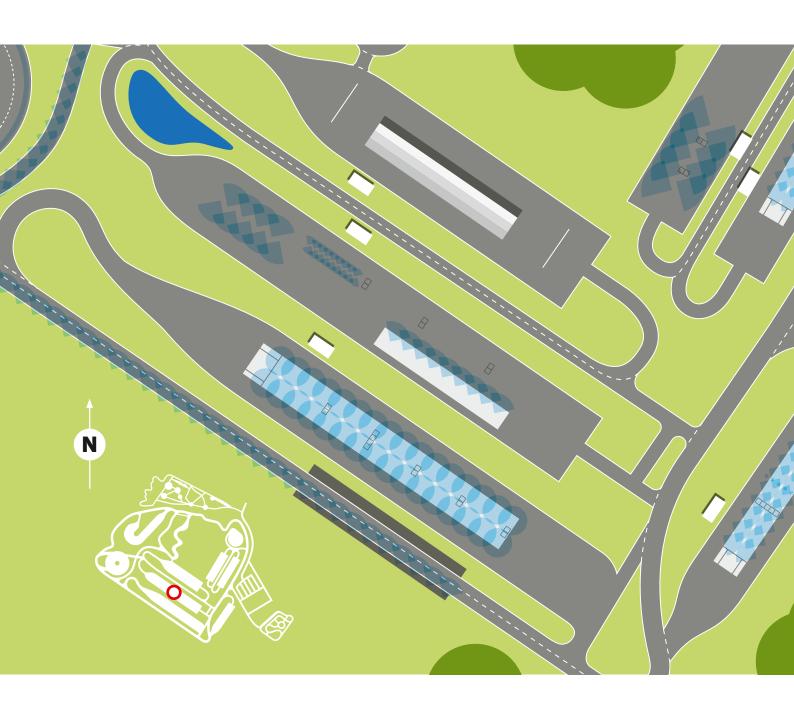


The combination of a sliding surface and water barriers makes this module the ultimate solution for testing your response and coordination levels, behind the steering wheel and in swerving manoeuvres. The dynamic plate causes your vehicle to skid in a controlled way. This plate makes the driver and his/ her vehicle feel the effects of understeer. In addition, water fountains will pop up at different spots along the module track, simulating obstacles which may suddenly emerge in road traffic.

Length of module 110 m
Width of module24 m
Length of sliding surface53 m
Width of sliding surface9 m
Friction coefficient of the sliding surface approx.0.2 $\mu$ (wet)
Size of dynamic plate 2.9 m x 2.7 m
Width of vehicle on dynamic plate 1.95 m max
Driving speed range on dynamic plate 25-55 km/h
Amount of water obstacles 8
Amount of sprinklers

## **Module 3**A multifunctional track with longitudinal aquaplaning



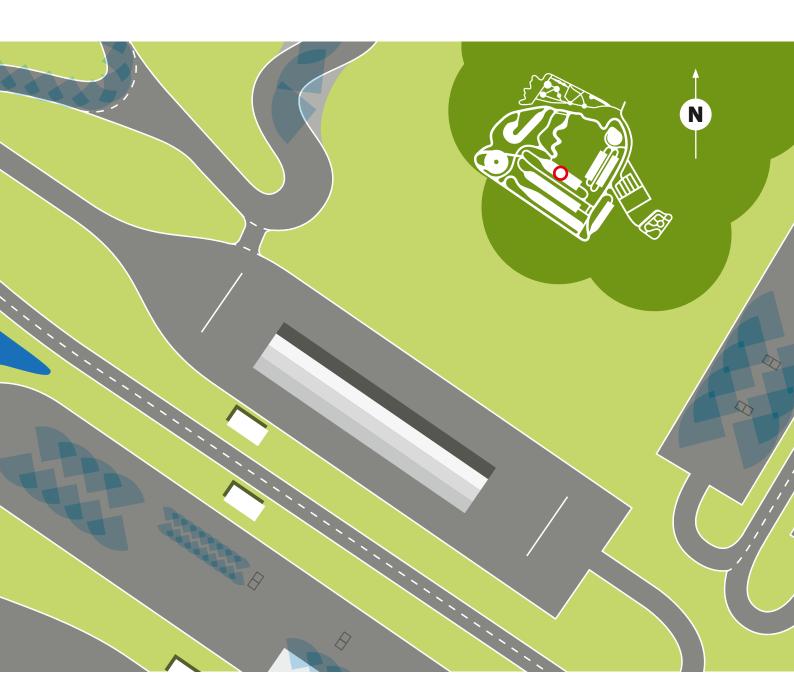


This spacious module offers a great number of options: Its water obstacles help you to navigate your car inter alia braking and swerving at high speeds through slaloms and lane changes. The variably adjustable irrigation levels of an integrated aquaplaning pool let you, consciously and safely, experience the dreaded condition of aquaplaning.

ength of module	220 m
Width of module	32 m
Amount of water obstacles	10
Amount of sprinklers	24
Size of the aquaplaning pool	5 x 51 m

### A braking track with four di erent road surfaces



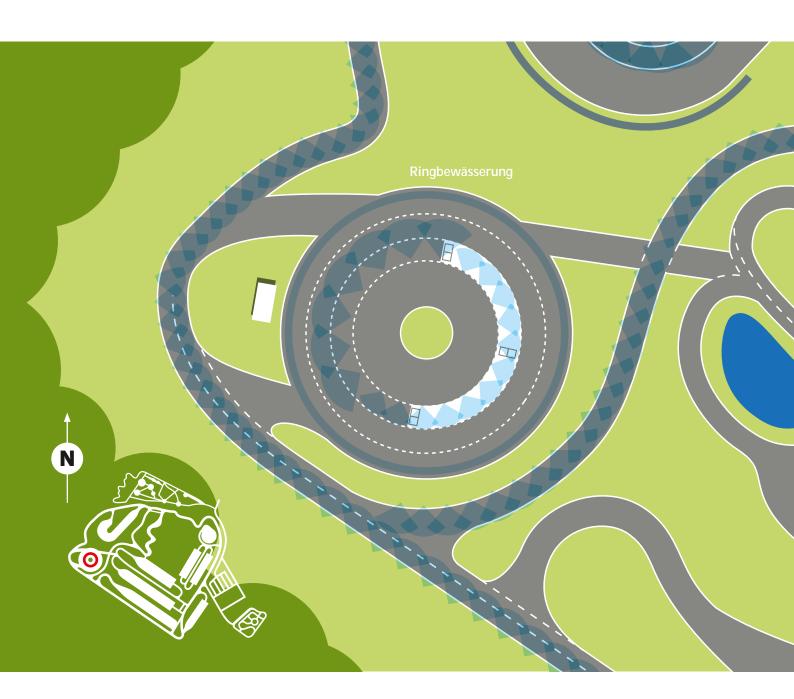


Cobblestone, asphalt, a sliding surface and concrete can each be completely irrigated – an ideal medium enabling you to compare and analyse the effects of different types of road surfaces. Here, all the aspects of braking can be demonstrated handson, taking different types of tyres, brake systems and road surfaces into consideration.

Length of module 185 m
Width of module
Length of each different road surface area $\ldots\ldots70$ m
Friction coefficient of asphalt lane 0.8 $\mu$
Friction coefficient of sliding surface lane $\ldots\ldots$ 0.2 $\mu$
Friction coefficient of concrete lane $\ldots\ldots0.9~\mu$
Friction coefficient of cobblestone lane approx. 0.5 µ





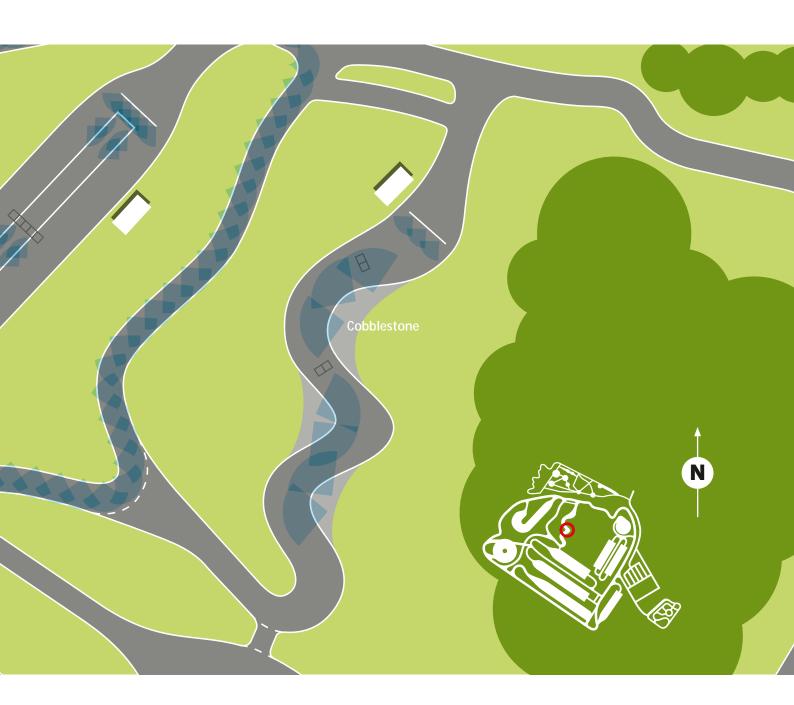


The large circular track with a diametre of 80 m is especially apt to convey a hands-on "experience" of your own driving behaviour when the vehicle is either oversteering or understeering. Varying road surfaces will give you a feeling for the different responses of your vehicle. The effects of different kinds of tyres and driver-assisting systems can be demonstrated in a hands-on fashion. Moreover, these premises are providing opportunities to improve the inclined position with your motorcycle.

Diametre of module	.80 m
Length of sliding surface	. 70 m
Width of sliding surface	.5.9 m
Friction coefficient	
of sliding surface approx. 0.4	μ (wet)
Amount of water obstacles	6
Amount of sprinklers	20

### A cornering track with a downhill gradient of



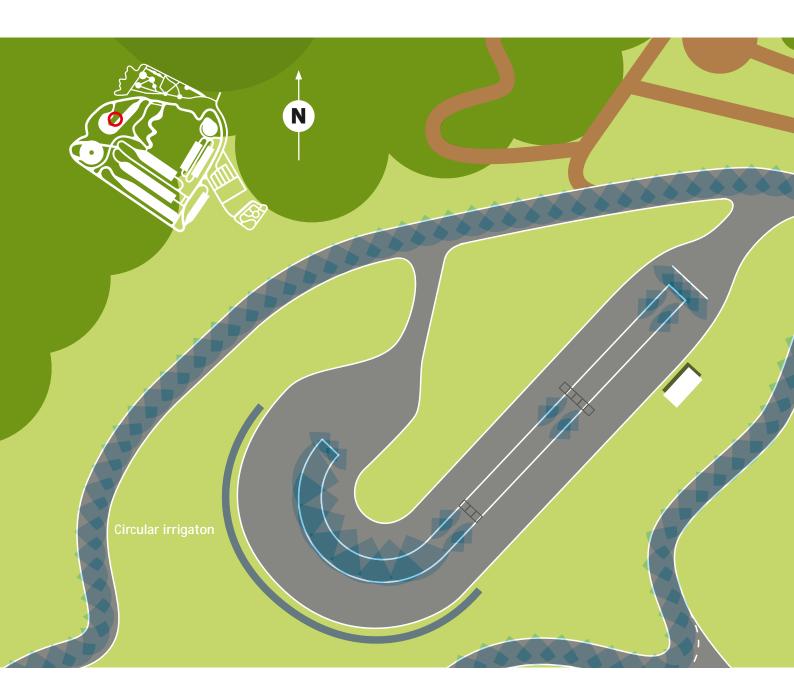


Wet lanes, water obstacles and a downhill gradient of 10 % offer many different ways to experience the response of your vehicle to braking or cornering in uphill or downhill terrain. This handling track with many bends and meandering features is a demanding challenge, for driver and vehicle alike.

Length of module 410 m
Width of module18 m max.
Amount of water obstacles 4
Amount of sprinklers10
Height difference

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### A downhill course and corner with a sliding surface and a gradient of

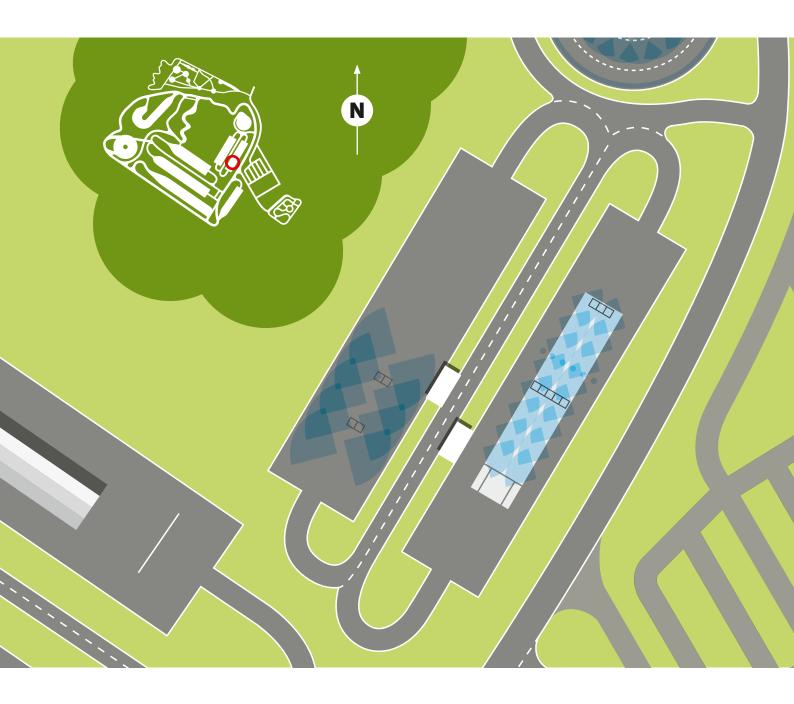


The way uphill is ideal to compare different starting aids and drive systems. Here, drivers of lorries and passenger cars are operate their brakes on their way downhill and avoid numerous water obstacles, or they exercise operating their brakes over the course of a bend. The size of this module track allows for higher speed levels, a hands-on way of showing advanced drivers their individual and technical limits.

Length of module220 m
Width of module
Length of sliding surface157 m
Width of sliding surface 10 m
Friction coefficient of sliding surfaceapprox. $0.4 \mu$ (wet)
Amount of water obstacles 8
Amount of sprinklers27
Height difference 7 m







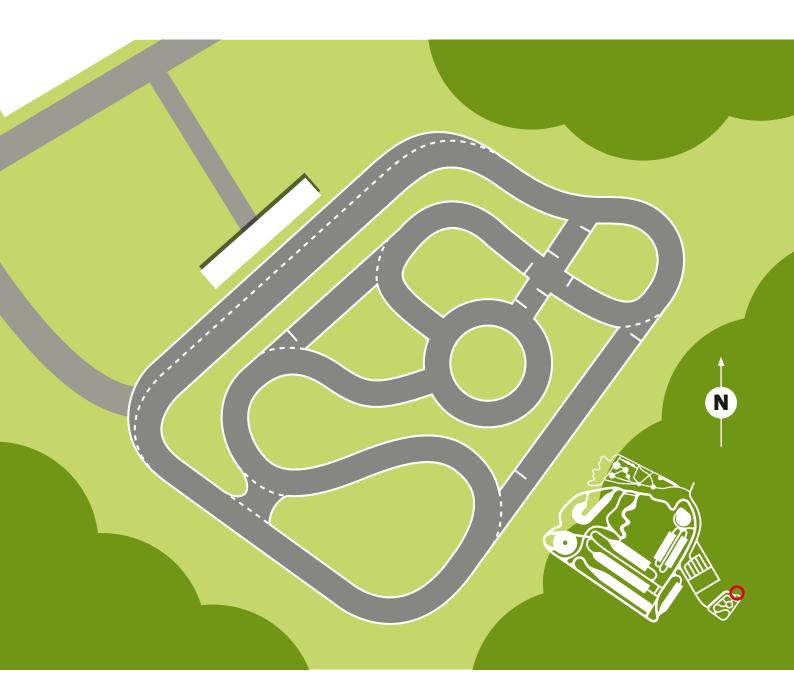
The dynamic plate makes the driver and his/her vehicle feel the effects of oversteer / or skidding. This module is also rounded off by the water obstacles, sprinklers and sliding surface you already know. The modules 8, 9 and 10 represent a standalone set of training units which can be isolated from the others. Separate groups in passenger cars are able practise here at the same time, because these tracks are placed next to the functional building three separate.

Length of module125 m
Width of module
Length of sliding surface 55 m
Width of sliding surface 10 m
Friction coefficient of sliding surface $\ldots$ approx. 0.2 $\mu$ (wet)
Size of dynamic plate $\dots 2.9 \text{ m} \times 2.7 \text{ m}$
Width of vehicle on dynamic plate1.95 m max
Driving speed range on dynamic plate 25-55 km/h max
Amount of water obstacles10
Amount of sprinklers15



### **Module 14**A module for cornering and a karting track



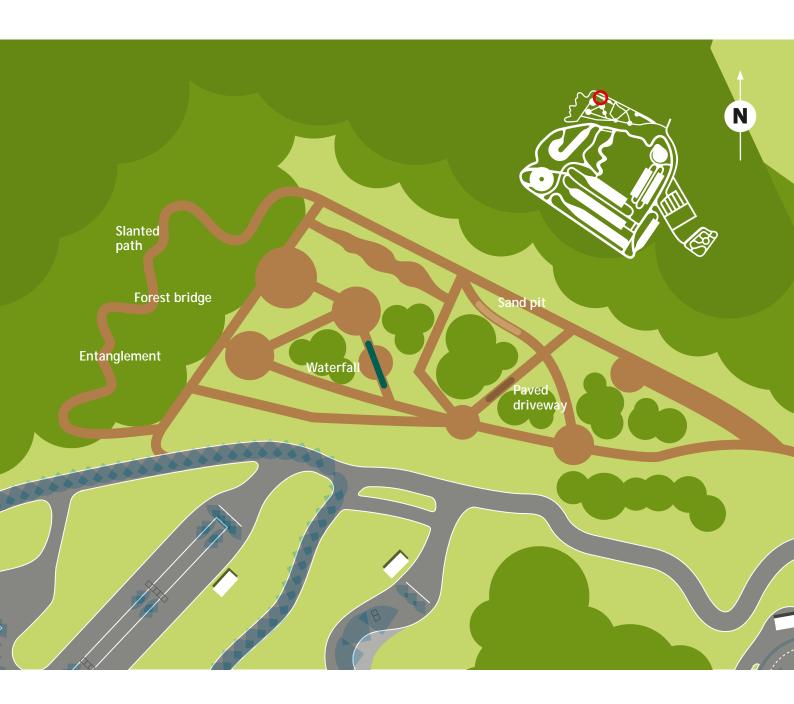


With numerous curves, this module is perfect for practising the contents learned in our motorcycle training. It provides numerous opportunities to put cornering techniques, scanning and ideal lines into practise. The multifunctional character of this module manifests itself, when it proves to be also a magnificent karting track. The special layout of this track and its corners makes karting there an unforgettable experience. In addition, the module is regularly used as Junior Traffic Centre by local primary schools.

Total length of module ...... approx. 650 m Width of module ..... 4.7 m-8.5 m

#### The o -road track





The off-road track offers real off-road vehicles the full scope of varied landscapes, including various levels of difficulty. Providing a real off-road experience in an area of 3.5 hectares in total: five extreme gradients, a waterfall, a large variety of entanglements, a "camel's back", a paved slanted path, a slope with a difference of 25 m in height as well as some areas covered with young and high forests.

Size of module approx. 3.5 ha
Height difference approx. 20 m
Gradients and distances
24% over a distance of 23 m
40% over a distance of 20.5 m
44% over a distance of 27 m
50% over a distance of 19 m
60% over a distance of 25 m

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