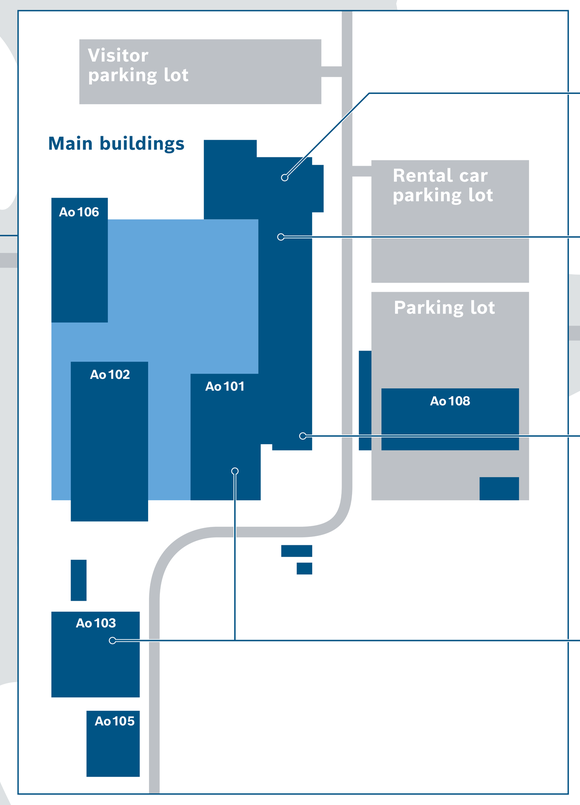
Always on the right track: Overview of Vaitoudden



Land handling course
Length 2,470 m
Lane width 5 m
18 curves
Packed snow (medium friction)

Ao 106 Garage for high voltage vehicles

Ao 102 Prototype garage

Ao 103 Vaporizing/de-icing hall/customer workshop

Ao 105 Garages for charging hybrid and electric vehicles

Charging stations

Loading dock
Length 10 m
Lane width 5 m

Ao108
General test vehicle garage

Cold chambers
Cool vehicles down to −30 °C

Gas station

Auditorium
The ideal location for talks and presentations for up to 90 people

Conference rooms
Various rooms with conference equipment, ideal for meetings of up to 35 people

Office spaces
A total of 250 office spaces for concentrated work, equipped with modern communication technology

Workshops
Test vehicles can be equipped and adapted in a variety of workshop spaces

Hills
With 10 %, 15 % and 20 % gradients, heating and cooling equipment for different µ-split constellations

Cold chamber
Cools vehicles down to −30 °C

ABS/TCS tracks
Each 150 m in length
Heating and cooling equipment for different µ-split constellations

µ-split curve
Straight, 10 m in length
70 m long curve
Curve radius 100 m

Event tipis
Near the frozen lake with space for up to 100 people – the best place for meetings, customer presentations and evening events in a very special atmosphere

Event track
Length 600 m
Width 60 m
Scraped ice (medium friction)

Large circle 1
Lane width 50 m
Diameter 470 m
10 m polished ice (low friction)
50 m scraped ice (medium friction)
Counter-clockwise driving direction

Dynamic area
Total length 1,000 m
Lane width from 25 m to 100 m

Packed snow (lake)
250 × 25 m
Medium friction

Polished ice
300 × 20 m
Low friction

Large circle 2
Lane width 50 m
Diameter 470 m
60 m scraped ice (medium friction)
Clockwise driving direction

"French 9"
For constant circular driving with various friction coefficients
Lane width 50 m
Diameter 300 m
Scraped ice (medium friction)

Lake Handling 3
Length 2,100 m
Lane width 12 m
Scraped ice (medium friction)

Skidding slope
Simulates vehicle skidding maneuvers and vehicle skidding detection
15 × 30 m area
Gradient 15°
Natural snow condition

Urban driving course
Simulates urban traffic with different corners, slopes and transverse gradients
Packed snow (medium friction)

Checkerboard
86 × 5 m, profile alternates between ice and asphalt

Packed snow land
Length 300 m
Width from 40 m to >100 m
Medium friction

Prototype garage and customer area
Prototype garage for customer vehicles, (tire-)storage, possibility for weighting and loading of test vehicles

Summer house
Directly at the lakeside and fully equipped with a kitchen, cozy fireplace, as well as whiteboard and projector Suitable for up to 20 people

Medium circle 1
Lane width 10 m
Diameter 80 m
Counter-clockwise driving direction
Scraped ice (medium friction)

Medium circle 2
Lane width 10 m
Diameter 80 m
Clockwise driving direction
Scraped ice (medium friction)

Lake Handling 1
Length 1,850 m
Lane width 8 m
8 curves
Scraped ice (medium friction)

Small circle
Lane width 10 m
Diameter 50 m
Scraped ice (medium friction)

Lake Handling 2
Length 3,000 m
Lane width 12 m
29 curves
Scraped ice (medium friction)

Polished ice