

Indoor Testing

Ivalo, Finland, 300km North of the Arctic Circle

Indoor 1 and 3 (Snow Flat with Ice Lane)

For objective acceleration and braking work

- Testing Surface Each 205m x 16m or combined 410m x 16m
- Snow Platform 13m Wide
- Ice Flat 3m Wide

Indoor 2 (Snow Handling)

Closed circuit loop

- Testing Surface 350m x 9m

Indoor 4 and 5 (Asphalt – Wet and Dry, Aquaplaning and Ice Platform)

For objective braking work, longitudinal aquaplaning and objective acceleration and braking on ice

- Testing Surface 410m x 8m (asphalt) or 205m x 8m (ice) including split friction or mu-jump

EV Charging

① ENSTO Chago Highpower Ultra Fast EV Charger

DC charge points

- CCS & CHAdeMO
- 150kW 300A 170-500V

AC charge points

- 22kW IEC 62196-2 Mode 3, Type 2
- 43kW IEC 62196-2 Mode 3, Type 2

② ENSTO Chago Pro EFV200

- Mode 3 charging (max.22kW)

Cold Chambers

- ③ ④ • Length: 11.7m
- Width: 2.3m
- Height: 2.3m
- Temperature: -40°C

Garages and Offices

Indoor Garage 1 107m² with two lifts
Indoor Office 1 45m²

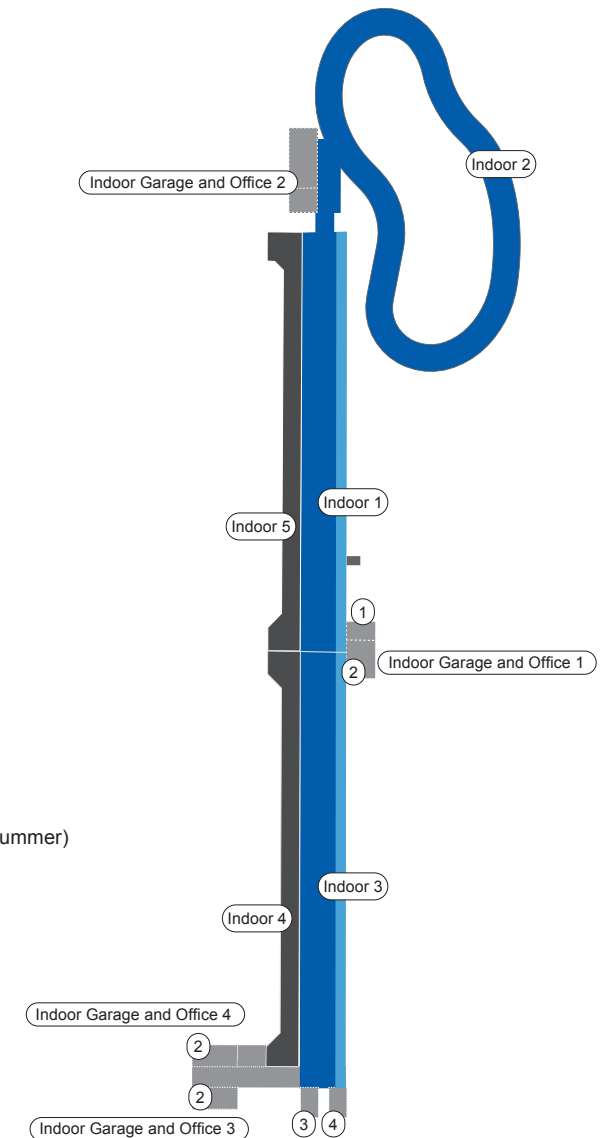
Indoor Garage 2 106m² with two lifts
Indoor Office 2 44m²

Indoor Garage 3 107m² with two lifts
Indoor Office 3 45m²

Indoor Garage 4 107m² with two lifts
Indoor Office 4 45m²

On all tracks

- Adjustable
 - Air temperature: -13°C to +15°C (default -8°C during summer)
 - Air humidity: 70% to 90% RH
 - Track surface temperature: -10°C to +10°C
- Maximum vehicle weight 3500kg
- Maximum vehicle height 2.7m



Mellatracks Proving Ground

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Handling Tracks

| | |
|-------------------|-----------|
| 4. Ice Handling | 1000 × 6m |
| 5. Ice Handling | 700 × 6m |
| 9. Snow Handling | 1200 × 6m |
| 21. Snow Handling | 1200 × 6m |
| 22. Snow Handling | 800 × 6m |
| 27. Snow Handling | 1200 × 6m |
| 31. Snow Uphill | 900 × 6m |
| 32. Snow Uphill | 950 × 6m |
| 43. Snow Handling | 1300 × 6m |
| 44. Snow Handling | 1300 × 6m |
| 45. Snow Handling | 1400 × 6m |
| 55. Snow Handling | 1100 × 6m |
| 56. Snow Handling | 970 × 6m |

Flat Tracks

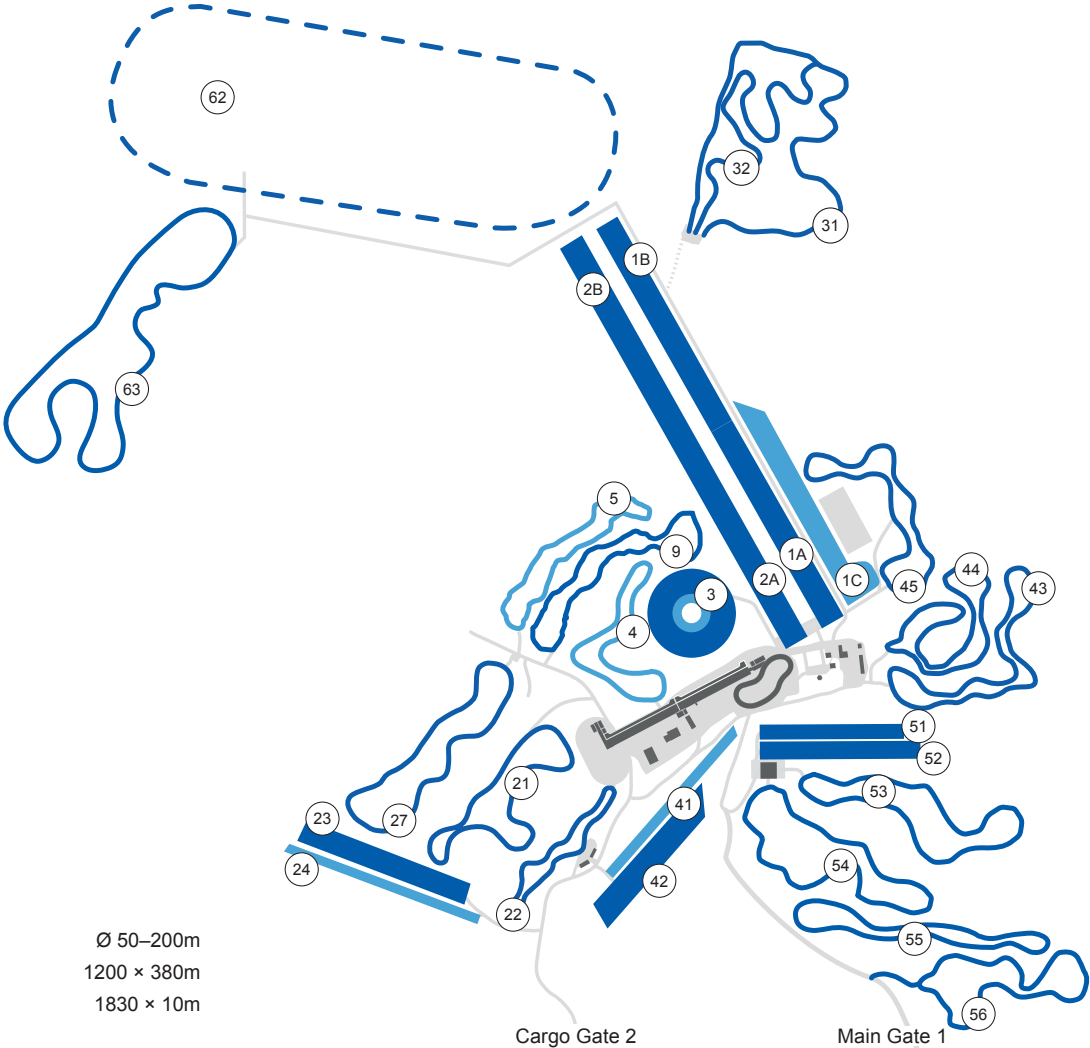
| | |
|---------------|-----------|
| 1A. Snow Flat | 500 × 50m |
| 1B. Snow Flat | 500 × 50m |
| 1C. Ice Flat | 500 × 35m |
| 2A. Snow Flat | 500 × 50m |
| 2B. Snow Flat | 500 × 50m |
| 23. Snow Flat | 400 × 40m |
| 24. Ice Flat | 420 × 20m |
| 41. Ice Flat | 420 × 20m |
| 42. Snow Flat | 350 × 40m |

Customer Specific Areas

51 – 54

Other Tracks

| | |
|---------------------------------|-------------|
| 3. Ice and Snow Circle | Ø 50–200m |
| 62. Snow Vehicle Dynamics Area | 1200 × 380m |
| 63. Snow Vehicle Handling Track | 1830 × 10m |

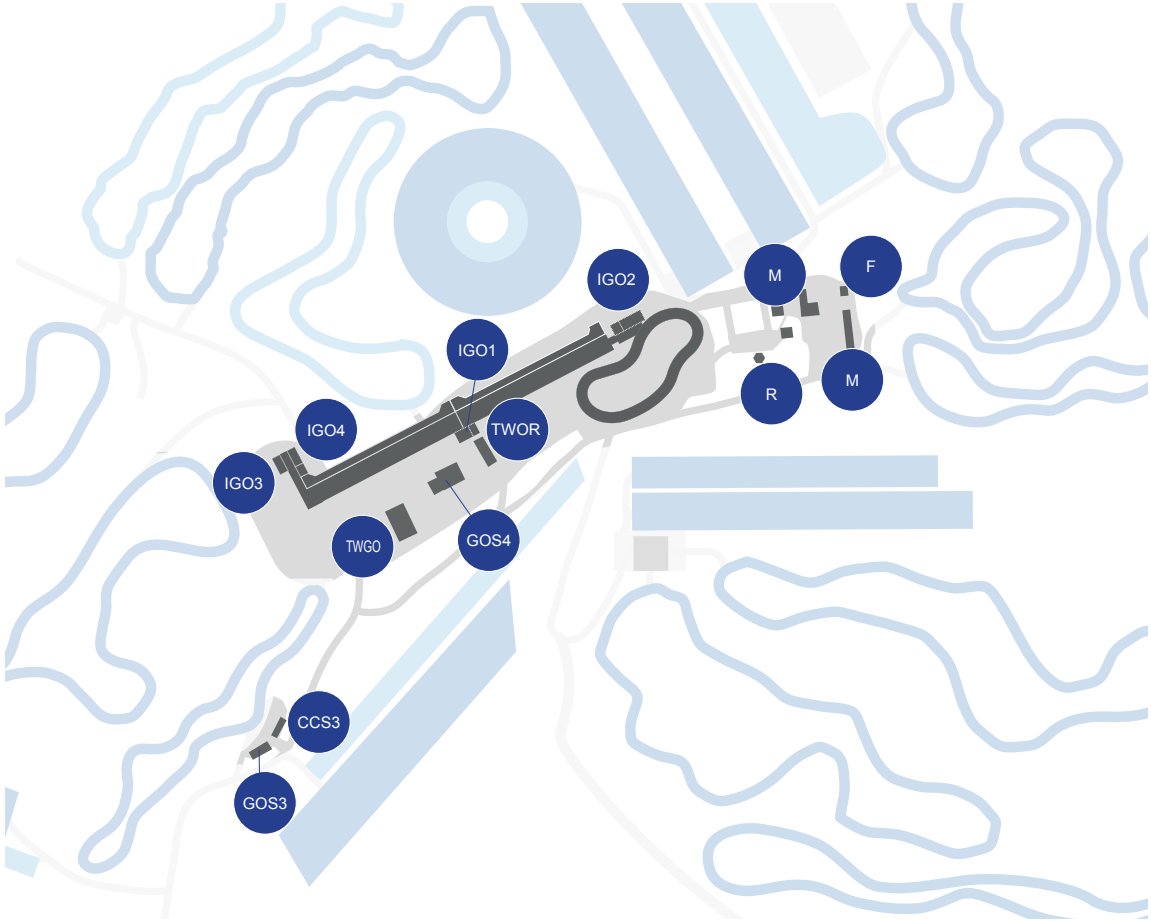


Mellatracks Proving Ground

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Other Facilities

| | | |
|------|---------------------------------|-------------------|
| G3 | Garage 3 | 62m ² |
| O3 | Office 3 | 31m ² |
| S3 | Storage 3 | 31m ² |
| G4A | Garage 4A | 215m ² |
| O4A | Office 4 | 48m ² |
| S4A | Storage 4A | 74m ² |
| G4B | Garage 4B | 95m ² |
| O4B | Office 4B | 38m ² |
| O4A | Office 4 | 48m ² |
| IGO1 | Indoor Garage 1 | 107m ² |
| IGO1 | Indoor Office 1 | 45m ² |
| IGO2 | Indoor Garage 2 | 106m ² |
| IGO2 | Indoor Office 2 | 44m ² |
| IGO3 | Indoor Garage 3 | 107m ² |
| IGO3 | Indoor Office 3 | 45m ² |
| IGO4 | Indoor Garage 4 | 107m ² |
| IGO4 | Indoor Office 4 | 45m ² |
| R | Mellakka Restaurant | 50pax |
| CCS3 | Cold Chamber and Storage | 30m ² |
| F | Fuel | |
| TWGO | Test World Garage and Office | |
| M | Maintenance | |
| TWOR | Test World Office and Reception | |



Airport Proving Ground

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Handling Tracks

| | | | |
|-------------------|-----------|----------------------|-------------------|
| 1. Snow Handling | 1800 x 8m | 21. Garage Office 1A | 100m ² |
| 7. Ice Handling | 1100 x 6m | 22. Garage Office 1B | 66m ² |
| 8. Snow Handling | 1400 x 6m | 23. Garage Office 1C | 150m ² |
| 9a. Snow Handling | 800 x 8m | 24. Garage Office 2A | 200m ² |
| 9b. Snow Handling | 800 x 8m | 25. Garage 2B | 200m ² |
| 10. Snow Uphill | 400 x 6m | 26. Fuel Station | |
| 12. Snow Handling | 1600 x 8m | | |

Flat Tracks

| | |
|---------------|-----------|
| 2. Snow Flat | 900 x 40m |
| 3. Snow Flat | 700 x 30m |
| 4. Snow Flat | 500 x 12m |
| 5. Ice Flat | 500 x 40m |
| 41. Snow Flat | 400 x 45m |

Other Facilities

| | |
|--------------------------|------------------|
| 11. Split Friction Slope | 40m, 14° (25%) |
| 13. Oval Track | 1400m |
| 14. Soft Snow Tracks | 600 x 6m |
| 15. Split Friction Track | 150m |
| 16. Ice and Snow Circle | Ø 50–80m |
| 17. Comfort Road | 700 x 6m |
| 18. Split Friction Slope | 30m, 8.6° (15%) |
| 19. Split Friction Slope | 30m, 11.5° (20%) |
| 20. City Block | |

