

# ONE OF THE WORLD'S LEADING **PROVING GROUNDS**



# THE COLMIS STORY

We started back in 1985 making tracks on the lake for a couple of clients and serving them the best we could.

What we have today is an open proving ground with workshops, offices, land tracks, tracks on ice and we can provide accommodation as well. And if we need more infrastructure, we have the land for that too. Certification is an integral part of our organization and we are certified according to ISO 9001, ISO 14001 and OHSAS 18001.

We are now taking the next step, which is to provide different kinds of vehicle function tests - a natural part of the process of broadening and deepening our product offer. We believe strongly in working closely alongside our clients and we are committed to developing more services to increase the efficiency of our testing work.

If you can think it, we can make it happen; that is our philosophy. Welcome to Colmis – one of the world's leading proving grounds.

*Mr Harald Fjellström, CEO and part-owner of Colmis AB*





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Looking back now after almost 30 years, our company has reached a level development way beyond what we imagined was originally possible. And today I still feel the same way I did in 1985 – that when it comes to creating more value for clients old and new, we are only just beginning,” explains Harald Fjellström.

# A **FULL-SERVICE FACILITY** IN AN IDEAL WINTER ENVIRONMENT

We offer a full-service facility with direct access to offices, workshops, accommodation and track systems. At Colmis, it's never far from the workshop to the testing track.

Nowhere else in Sweden is there a track system on ice as large as the one at our centre. Our beautiful winter landscape provides a host of possibilities and unsurpassed flexibility, both on our existing tracks and those that we customise according to the client's needs. At our full-service facility we can perform all kinds of vehicle tests in ideal winter conditions.

We are continuously striving to enhance the security at our facility. Our tracks are monitored using a GPS system and surveillance cameras, giving our clients a work environment with the highest possible confidentiality.



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We needed a first class, permanent development and testing facility in a cold climate. Colmis AB has met our demands and requirements, which is why we have made a major commitment and long term investments here at Colmis. We also feel that the support and attention to detail from the employees at Colmis is a vital part of our company's success in winning new business.”

*Ronald Schoenbach, CEO e-AAM*

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In 2003 we started to pull all our various winter test activities together at one common GME Winter Test Center at Colmis. Here we found a very experienced ice track maker and an absolute efficient winter test service provider. Over the years Colmis was very supportive establishing and maintaining a safe, secure and secret environment in alignment with our processes and guidelines.”

*Frank Herrmann, Manager Customer Care and Winter Test Center Arjeplog, Adam Opel AG*

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We use Colmis because they provide us with an excellent proving ground. FIAT has developed several projects at Colmis Proving Ground since 1997.”

*Riccardo Dellavalle, Head of Winterteststaff Fiat Group*



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**ahlsell**

**gör det enklare att vara proffs**

## CIRCULAR TRACK ON LAND

Length = 3,000 m

Width = 7 m

Diameter = 1,000 m

Packed and scraped snow surface.

Drive ability tests.

Constant speed tests.

Available November 15th – March 31st



# Gesab

**Garage Equipment Service AB**

**Bilverkstadsutrustning**

**08-732 29 00**

**[www.gesab-sweden.se](http://www.gesab-sweden.se)**

**[info@gesab-sweden.se](mailto:info@gesab-sweden.se)**



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**[www.papperspartner.se](http://www.papperspartner.se)**

# FOREST TRACK

Length = 10 km

Width = 5 m

Altitude difference from lowest to highest point, 110 m

A highly varied track: hilly and a lot of curves

Packed snow surface

Mileage collection

Durability testing

Manoeuvrability testing

Available November 15th – March 31st

Available to external clients on a full or half day basis



**BD BYGG AB**

[www.bdbbygg.se](http://www.bdbbygg.se)



# ONE OF THE WORLD'S LEADING PROVING GROUNDS

## Land Tracks

**Circular Track on land** – diameter 1,000 m.

Packed snow.

Common tests, drive ability, snow intrusion, constant speed tests, etc.

**Land Handling** – Length 1.5 km.

Packed snow.

Common tests, manoeuvrability, chassis settings, drive ability, etc.

**Split-Mu** - Length approx. 500 m, total length.

Heated asphalt & polished ice.

Common tests, ESP/stability control, ABS testing, etc.

**Forest Track** – Length 10 km.

Packed snow.

Common tests, durability tests, snow intrusion, AWD systems, manoeuvrability, etc.

**Comfort Assessment** – Length 1 km.

Packed Snow

Common tests, noise & vibration, suspension, shock absorber tests, etc.

Twist & Humps – Length 80 m

Asphalt bumps

Common tests, noise & vibration, rattle & squeak, suspension, etc.



**Cobblestone** – Length 80 m

Concrete Track with stones.

Common tests, noise & vibration, rattle & squeak, suspension, etc.

**Snow Chain section** – Length 600 m

Packed Snow

Common test, AWD system, snow chain tests, etc.

**Split Hills** – Gradients 10 %, 15 %, 20 %

Heated asphalt & polished ice.

Common tests, traction control, AWD systems, transmissions, etc.

## Lake Tracks

**Circular Tracks** – diameters 200–450 m.

Scraped ice with polished ice inner lane.

Common tests, Esp. /stability control, drive ability, snow intrusion, etc.

**Dynamic areas / Straights** – length 800–1 500 m, width 40–60 m.

Scraped ice with polished ice areas.

Common tests, Esp. /stability control, manoeuvrability, brakes, etc.

**Handling Tracks** – Length 1.5–3 km, different layouts.

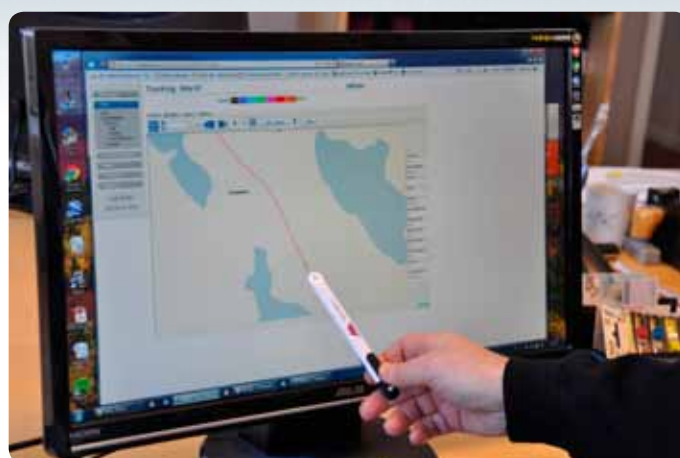
Scraped ice.

Common tests, manoeuvrability, chassis settings, drive ability, etc.

## TEST DRIVERS AVAILABLE FOR HIRE

Colmis has test drivers available for long- and short-term assignments. A cost-efficient solution as the drivers are already on location in Arjeplog. Our experienced and trained drivers are used to test driving in our winter conditions. And with our high-tech GPS system our clients can track their cars in real time.

We take on all kinds of testing assignments according to the client's testing instructions; on tracks or public highways.



## TEST VEHICLE CHARACTERISTICS IN A COLD CHAMBER

In one of our thirty-five cold chambers we can reduce the temperature of a vehicle to the exact required level on a repeated basis. Each chamber has a temperature range of 0° till -30°C and security is high with both security and operation alarms in place.



If you test cars  
you should test  
Nelson too

Nelson is a web-based, easy to manage, system for test management as well as management of facilities at the Colmis proving grounds. A server and a basic Android mobile phone is all it takes to get you started.

*Get on the track to safer, faster and more effective testing with Nelson and Colmis*

**RAJD**   
www.rajdsystech.se

## WE CAN PERFORM WORK WITHIN THE FOLLOWING VEHICLE DYNAMICS AREAS

Colmis AB is part-owners in DynaTech Automotive AB. DynaTech have extensive experience in the automotive industry and unique expertise in vehicle dynamics and chassis development. DynaTech develop chassis components and complete chassis systems for vehicle manufacturers and subcontractors as well as driver training and driving events. Together we have over 100 years of experience in project management, international motorsport and chassis development, from former Saab Automobile, from component level to system integration into the vehicle.

- Project management
- Requirement and target setting on component, subsystem & total vehicle.
- Chassis architecture development.
- Subjective & Objective measurements
- Suspension development (spring selection, active and passive stabilizer bar, active and passive shock absorbers)
- Active Safety Systems (e.g. ESC) development
- Braking Performance and development
- High- & low- $\mu$  testing
- Steering system development
- AWD & driveline development
- Tire & wheel development
- Advanced driver training
- Driving events



**Fixar'n**  
i Arjeplog AB

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Jourtelefon  
Bilbärgning **070-510 55 25**



## ACCOMMODATION IN BEAUTIFUL ARJEPLOG

As a full-service facility we can provide accommodation in central Arjeplog only six kilometres from the testing centre. The hotels are located in the centre of Arjeplog within walking distance to restaurants, supermarkets and pubs. For outdoor enthusiasts Arjeplog has a rich array of possibilities including skiing and an abundance of wildlife.

The apartments are fully equipped with TV, radio and Internet access. All apartments have cooking facilities and the hotels have saunas and relaxation areas. Breakfast is served every morning in the restaurants.

Colmis's hotel coordinator cooperates with all the other accommodation providers in Arjeplog so she can help you with hotels, cabins, private apartments, etc.



**TS** **FOGFRIAGOLV  
&  
MÅLERI AB**

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**ARJEPLOGS  
CEMENTGJUTERI**  
**Betong och  
Betongvaror**

070-350 12 50





## COLMIS IN THE FUTURE

Colmis today provides its clients with complete solutions that include everything from top-quality testing to first class accommodation. With a new client comes a new set of requirements, which allows Colmis Proving Ground to continue its own development.

Colmis Proving Ground is certified according to ISO 9001 and ISO 14001 since 2007. In 2010 Colmis Proving Ground was also certified in accordance with OHSAS 18001. Colmis has invested in an additional 25 hectares of land in order to meet new requirements for tracks and buildings made by new and existing clients.

Colmis is involved with different infrastructure projects including WLAN for the lake tracks, a multi-fuel station for the region and advanced tracking and measuring systems for the automotive industry.



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## Norrbottens Värme AB

0929-555 90

We are a company in the plumbing business localized in the north of Sweden. Apart from ordinary plumbing jobs we are specialised in the following areas:

- Workshops and office buildings directed specifically at car testing companies.
- Construction and execution of molded landing strips that includes heating and cooling techniques.
- Calculation of concrete and reinforcement of test tracks on land.

### Norrbottens Värme AB

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