



TTControl provides control system for Prinoth's new snow groomer

## **TTControl Instruments Prinoth's Leitwolf – A New Generation of Snow Groomers is Born**

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**TTControl and Prinoth by Leitner Snow (formerly Leitner) continue their successful cooperation by equipping Prinoth's new top-of-the-line "Leitwolf" snow groomer. The Leitwolf is Prinoth's high-performance model, combining a futuristic look and modern know-how. For reasons of safety and economy, this highly maneuverable snow groomer is equipped with an advanced control system by TTControl.**

The Leitwolf heralds the beginning of a new generation of snow groomers. Thanks to numerous technical innovations, it provides outstanding performance, safety, and an extraordinary driving experience. At the heart of the Leitwolf beats a MAN 320 kW diesel engine with superior torque output and low fuel consumption. Tracks are made of steel/aluminium belts with spikes to ensure excellent climbing and driving properties. The advanced hydro-pneumatic suspension reduces vibration for improved driving comfort. Extremely light trellis tubing withstands extreme levels of stress and strain. TTControl's unique electronic control system ensures the utmost safety and extra comfort for the driver.

"TTControl's distributed electronics supports a very high level of flexibility in our vehicles," states Martin Runggaldier, Head of Engineering at Prinoth. "As a result, we were able to optimize mechanical functions by combining them with electronic control. Furthermore, we could implement functions that would not have been possible with purely mechanical solutions. With our new Leitwolf model, we have definitely taken a major step onward into the future of snow groomer technology."



The highly developed control system of the Leitwolf has powerful computational capabilities and responds to all tasks immediately. The system contains three electronic control units, a drive control unit, a display, two keyboards, and a joystick. The latter controls several complex functions of the vehicle, including the sprocket, the chassis electronics, and steering of the rake blade. The central color display views all gauges and is equipped with a changeover switch. The main commands are entered on the keyboards. The ergonomically perfect joystick simplifies the blade and drives operations. Redundancy of the electronic components and computer diagnostics ensures maximum safety.

"Prinoth uses state-of-the-art technology in its product development activities. We are proud to cooperate with one of the leading manufacturers of snow groomers," comments Federico Giudiceandrea, Managing Director of TTControl. "Snow groomers are technically demanding vehicles with very complex control functions. It was an interesting challenge for us to equip the Leitwolf with our systems and we are glad about the chance to prove our experience and know-how in the field of special vehicle electronics," states Roberto Ferrari, Technical Manager of TTControl. Both companies plan to continue their cooperation and to bring other advanced products to market.

## **About TTControl**

TTControl is the first company worldwide offering electronic control systems for special vehicles, such as agricultural and construction machinery, tunneling equipment, forestry machinery, cranes, snow groomers, and mining equipment. TTControl's software and hardware platforms enable manufacturers of special vehicles to develop reliable electronic control systems quickly and economically. TTControl is a subsidiary of TTTech Computertechnik AG.

Further information on TTControl is available at [www.ttcontrol.com](http://www.ttcontrol.com).

## **About TTTech Computertechnik AG**

TTTech Computertechnik AG is the leading supplier of technology and software products in the field of time-triggered systems and TTP<sup>®</sup> (Time-Triggered Protocol). TTTech products enable developers of aerospace, automotive, and industrial control equipment to deliver reliable embedded systems quickly and efficiently. TTTech's products comprise a complete software development environment for TTP-based systems, including hardware as well as TTP chip models. In addition TTTech provides a broad range of services, from training courses on TTP to worldwide product and project support. TTTech especially emphasizes by-wire and integrated vehicle control systems.

TTTech's subsidiaries – TTChip Entwicklungsgesellschaft mbH, TTControl S.r.l. and TTTech Germany GmbH – respectively focus on development of chip models, control systems for special vehicles, and advanced vehicle dynamics. TTTech North America Inc. and TTTech Japan provide on-site engineering and sales support in North America and Japan.

Further information on TTTech is available at [www.tttech.com](http://www.tttech.com).

## **About Prinoth**

Prinoth and Leitner's snow groomer division recently merged into Prinoth by Leitner Snow. Prinoth by Leitner Snow is among the world's leading manufacturers of high-tech snow groomers. The Leitner Group is a one-stop shop for winter resort equipment. As an innovative engineering company, it has taken the concept of globalization literally; more than 50 percent of the company's production is exported. Leitner has a long and successful tradition, and is committed to the highest standards of engineering plus efficient after-sales service. Safety for the user and sustainable profitability for the operator are key goals of the business model.

For more details about Prinoth and the Leitwolf snow groomer, have a look at [www.prinoth.com](http://www.prinoth.com).

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