

**Automatic Lubrication
in Wind Power Plants**

**simalube - the original single point lubricator for a correct
maintenance in Wind Power Plants**



**Reliable lubrication
reduces your maintenance
costs**

Maintenance and the correct supply of lubricant to lubrication points are essential in Wind Power Plants and directly affect the profitability of the site.

Regardless of the type of construction, every wind power plant has a large number of lubrication points which have to be maintained at regular intervals.

Wind power plants are often located in remote areas. This represents a great challenge on maintenance works.

High temperature fluctuations, moisture, humidity and varying wind forces place extreme loads on the components of a wind power plant. To avoid corrosion as well as abrasion, lubricants must be provided at the right time and in the correct amount.

On a global scale thousands of wind power plants have been successfully equipped with the **simalube**[®] lubricant dispensers.

The use of **simalube**[®] lubricant dispensers substantially prolongs the life span of the components.

Swiss made / worldwide patents

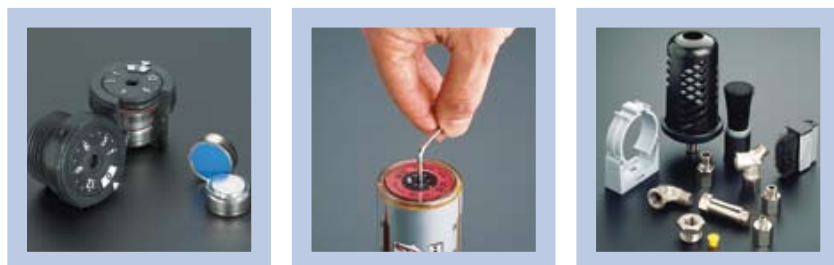


**simalube
reduces
maintenance costs!**

The use of **simalube®** lubricant dispensers greatly improves the life span of the plant components. Cost savings achieved through the prolongation of the maintenance-intervals are decisive arguments for the use of the practical **simalube®** lubricant dispensers.

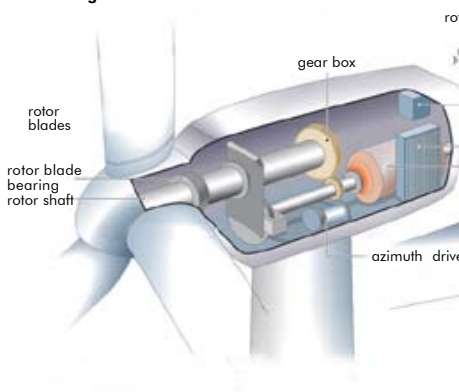
Use the benefits of simalube® - the automatic single point lubricator:

- Lubricants specially designed for the use in open air environment
- Environmentally friendly due to optimised consumption of lubricant and refillability of dispensers
- Lower maintenance cost
- Increased operation safety
- Longer life time of components
- No longer manual lubrication
- No shut-down of machines necessary during maintenance
- Easy disposal
- Reduction of breakdowns due to corrosion
- Lubrication points can be maintained up to one year
- Can be used in saltwater regions
- Flexible time setting from 1 to 12 months
- Available in four sizes: 30, 60, 125, and 250 ml
- Wide range of accessories available

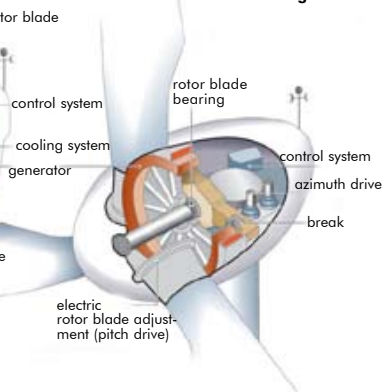


Typical application areas in a Wind Power Plant:

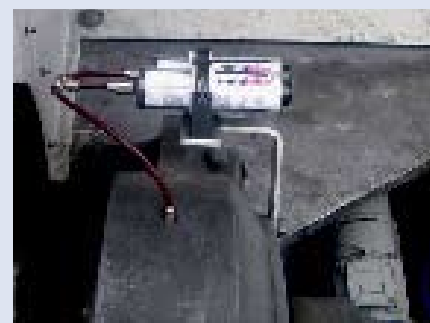
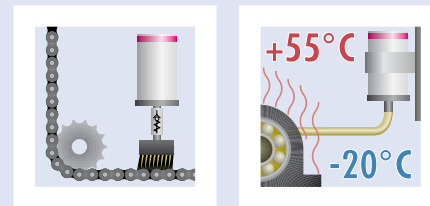
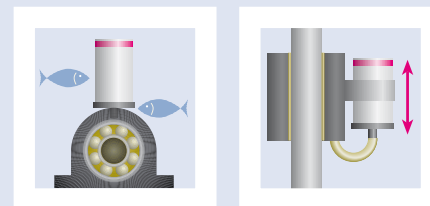
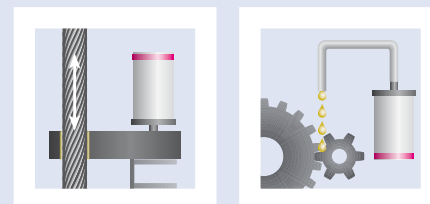
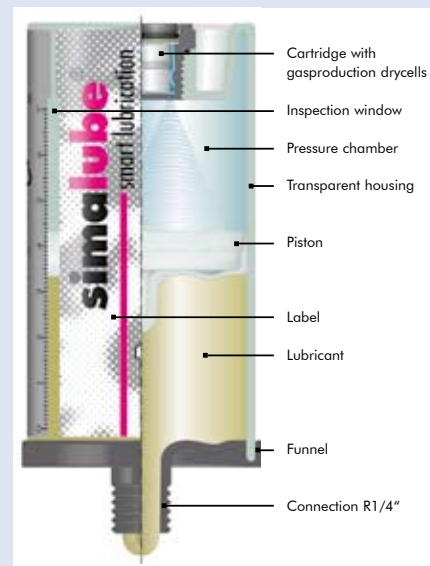
Plant with gear box



Plant without gear box



- Rotor blade adjustment
- Rotor blade bearing and shaft
- Generator
- Azimuth drive
- Gear box
- Pitch drive
- Main shaft
- Gear wheel to adjust the nacelle
- Actuator



Lubrication of gearbox with simalube 250 ml grease dispenser

Maahantuoja:

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