



G-servicelift[®] eco
economical
comfortable
one fits all

The height 's up to you. Lifting you up... safely and reliably!

New standard payloads of 300 kg and 400 kg!

With the new **G-servicelift[®]** you can now carry 3 or 4 people at standard payloads of 300 kg or 400 kg!

Increase the profitability of your wind power plant with a **G-servicelift® from goracon.**

Save time when ascending to carry out maintenance and repair work to your turbine. With a **G-servicelift®** you can complete a 100 meters ascent in approx. 5 minutes. Without a **G-servicelift®** on the other hand, the arduous climb requires very much more time and demands a lot of strength.

But this is not the only argument which clearly speaks for itself. Heavy tools and loads up to 400 kg can be transported comfortably with a **G-servicelift®**, and all this with automatic transport, which does not take up the costly time of your personnel for the ascent.

It is well proven, that wind power plants with an integrated ascent system have a higher level of availability and that the quality of your turbine maintenance will increase enormously.

The new **G-servicelift® eco...**

- ...economical
- ...comfortable
- ...one fits all





The heart of our G-servicelift®

Made in Germany!



The heart of the G-servicelift® is the G-trac® and the G-lock® from goracon. Available in the categories of 400 kg up to 1100 kg for personal conveyance, the G-trac® and G-lock® are truly outstanding in terms of „Made in Germany“ quality. The reliable and easy-to-use features of this hoist for personal conveyance, combined with the precise trigger mechanism of the fall arrest device, ensure that your personnel will be conveyed safely upwards in the G-servicelift®.

With our state-of-the-art G-trac® (1) passenger hoist and our G-lock® (2) fall arrest device, designed, developed and manufactured by goracon. You can be sure that we will convey you safely upwards. G-trac® and G-lock® were specially developed for our G-servicelift®, offering multiple technical and user-friendly benefits.

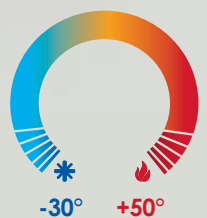


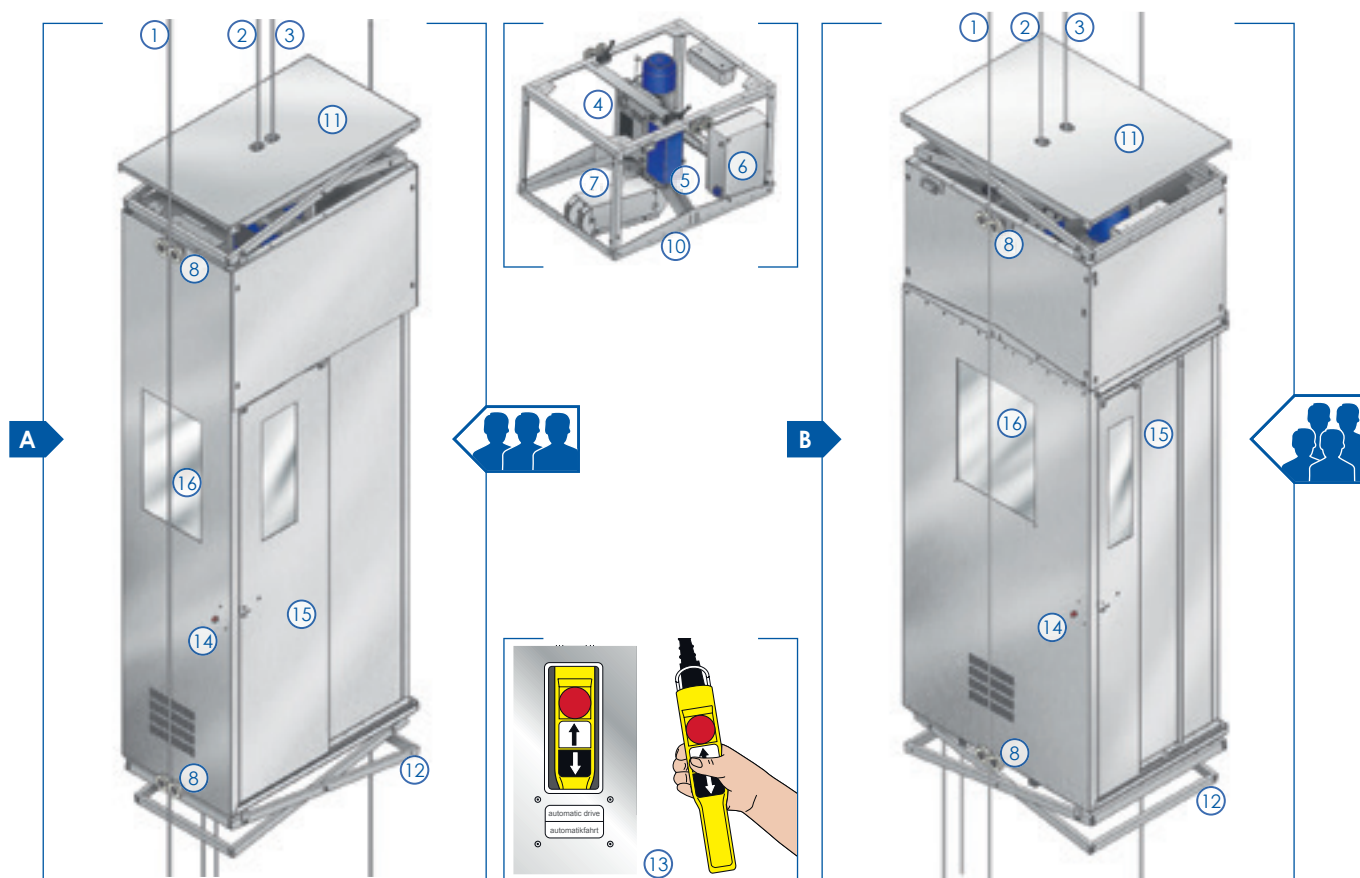
- 1
 - Powerful and reliable electric motor
 - Sturdy aluminium housing
 - Integrated and precisely-functioning electromechanical limiter for lifting force
 - Ergonomic emergency stop hand wheel for emergency operation
- 2
 - Integrated electronic trigger detection
 - Ergonomic single-lever operation

Our licence approval applies WORLDWIDE



Also available in Cold Climate and Offshore designs!





G-servicelift® eco...

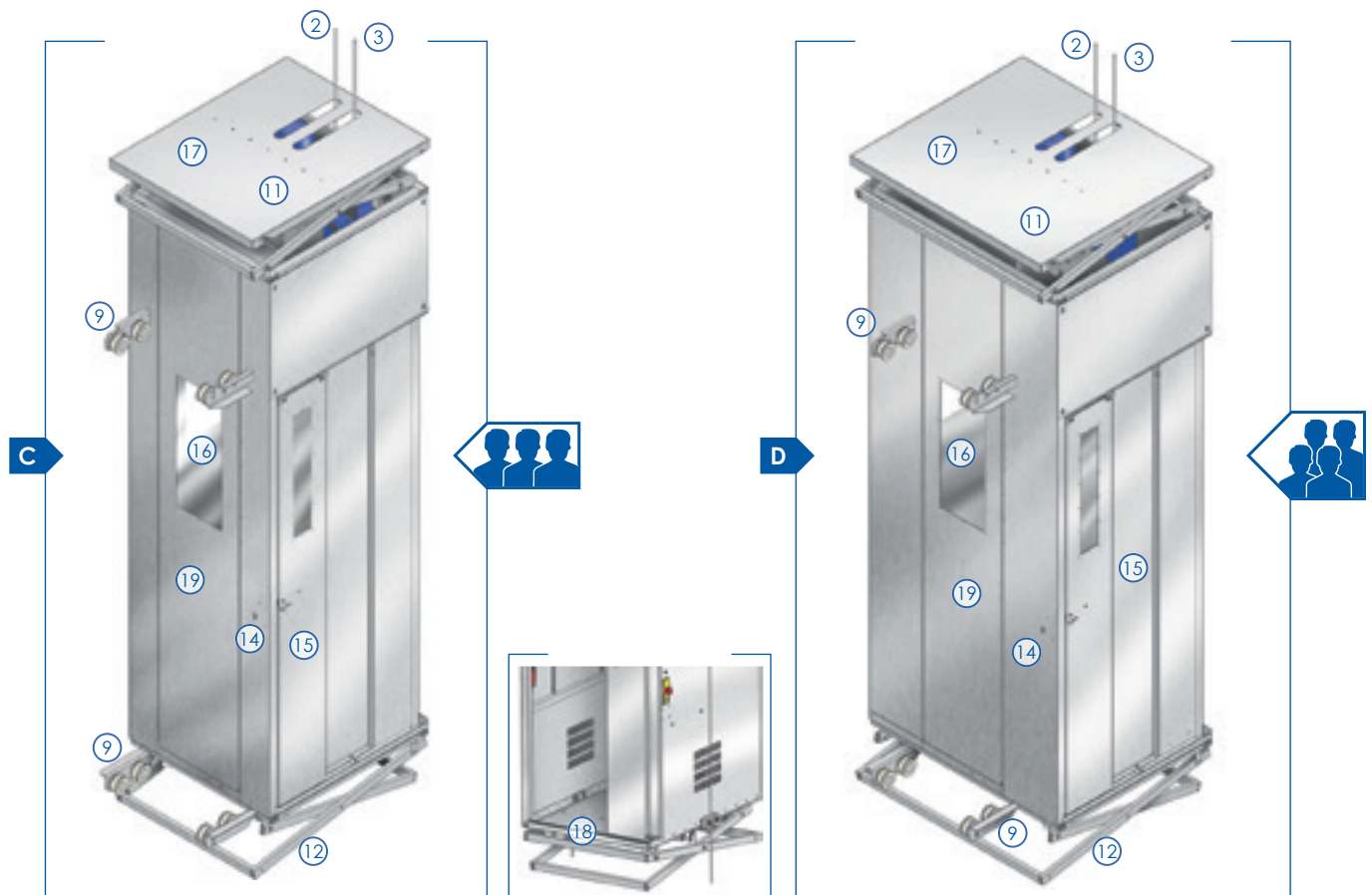
...economical ...comfortable ...one fits all

- Increase in productivity, safety and employee loyalty
- Operating safety thanks to proven reliability
- Reduction of operating and maintenance costs **G-care**
- Global customer service and maintenance provision, worldwide spare parts supply via **G-partsfinder**
- Guaranteed licence approval
- Functions for transport of personnel and materials
- Comprehensive installation, operating and maintenance training in our **G-school**













Features

- | | |
|----|--------------------------------------|
| 1 | Guiding Ropes |
| 2 | Arresting cable |
| 3 | Driving cable |
| 4 | G-trac hoist |
| 5 | G-lock safety brake |
| 6 | E-Box |
| 7 | Cable deflection rollers |
| 8 | Cable and platform guide |
| 9 | Ladder guide |
| 10 | Roof support frame |
| 11 | Top limit switching |
| 12 | Bottom limit switching |
| 13 | Operator Control with combi-function |
| 14 | Safety door switch |
| 15 | Sliding door |
| 16 | Transparent glazing |
| 17 | Roof access passage |
| 18 | Ground access passage |
| 19 | Emergency exit |

* Subject to technical modifications in the product range without prior notice.
No liability for factual mistakes or printing errors with regard to product illustrations or product descriptions. Our General Terms and Conditions apply.



Now with higher payloads!

Technical data*	A	B	C	D
Type	GWB-300, rope guided	GWB-400, rope guided	GWB-300-L, ladder guided	GWB-400-L, ladder guided
Door	Single sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system	Double sliding door with a robust rail and roller system
Drive**	G-trac 600 electric wire rope hoist, tensile force 600 kg, 400 V/ 50/60 Hz	G-trac 800 electric wire rope hoist, tensile force 800 kg, 400 V/ 50/60 Hz	G-trac 600 electric wire rope hoist, tensile force 600 kg, 400 V/ 50/60 Hz	G-trac 800 electric wire rope hoist, tensile force 800 kg, 400 V/ 50/60 Hz
Payload / weight-bearing capacity	300 kg =  300 kg = 	400 kg =  400 kg = 	300 kg =  300 kg = 	400 kg =  400 kg = 
Speed	18 m/min / 24 m/min 50 Hz 60 Hz	18 m/min / 24 m/min 50 Hz 60 Hz	18 m/min / 24 m/min 50 Hz 60 Hz	18 m/min / 24 m/min 50 Hz 60 Hz
Dimensions*** L/W/H (mm)	1080 / 630 / approx. 3000	800 / 1080 / approx. 3000	900 / 800 / 3000 900 / 950 / 3000 900 / 1100 / 3000	900 / 1100 / approx. 3000
Weight (kg)	190	220	220 / 230 / 240	250
To get on				

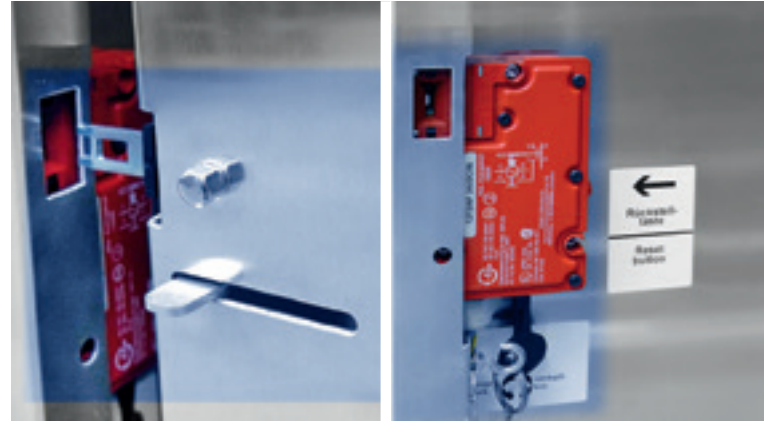
* Other dimensions on request ** Other voltages on request *** L = width of the door side



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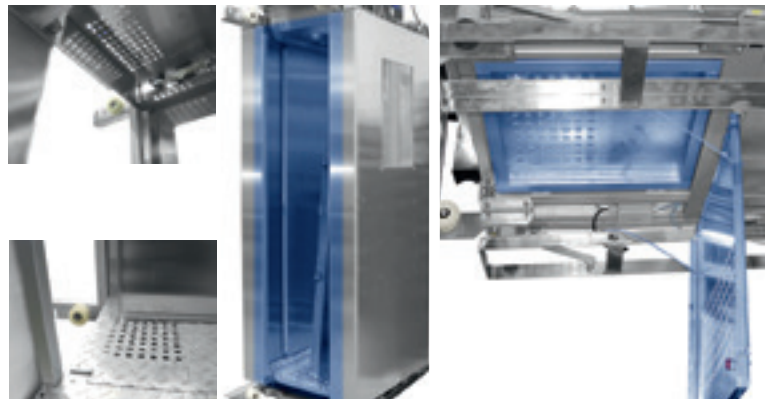
Safety door switch:

Safety is the main concern at goracon. The robust sliding door has an electronic query function via a switch, so that it is not possible to operate the **G-servicelift®** if the door is open. The system can be mechanically unlocked in an emergency situation.



Ground and roof access passage:

In a ladder guided **G-servicelift®**, it is generally necessary to have a ground and roof access passage, as well as a removable rear wall to the ladder, so that in the case of an emergency the ladder can be reached as an escape exit. Since we make no compromises when it comes to safety, all the openings on the lift have an electronic query function.



Support frame:

The support frame of the **G-servicelift®** forms the basis for a safe ascent. The robust construction, which is made of hot-dip galvanized steel, is designed in accordance with all the relevant structural standards. It carries the **G-trac®** drive and the **G-lock®** safety brake. In addition to this, every **G-servicelift®** has yellow designated suspension points. The entire electric drive technology and the E-Box of the **G-servicelift®** is located in the upper part of the cabin, so that the ground space of a **G-servicelift®** is more than adequate.

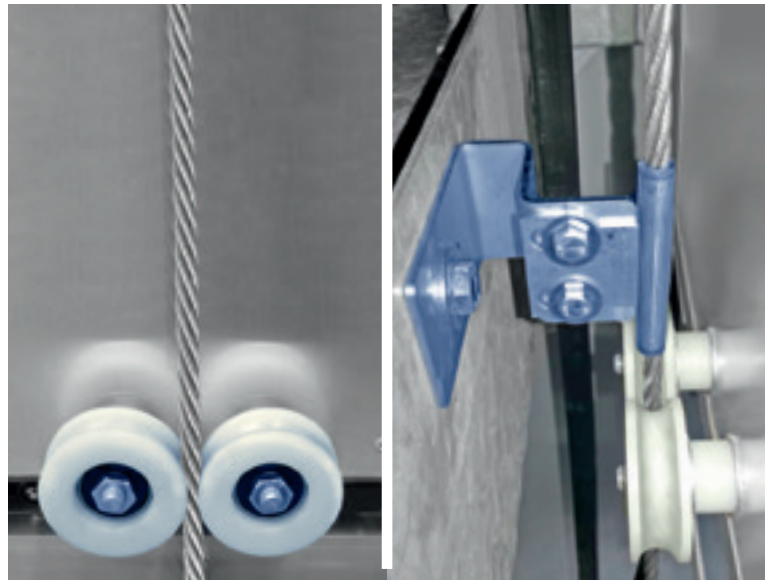


Cable deflection rollers:

All cable rollers are provided with guard plates to prevent anyone reaching in and being injured. The guard plates can be removed easily and quickly for commissioning and maintenance work. All the rollers are equipped with high-quality ball bearings.

**Cable and platform guides:**

The cable guides for our cable guided G-servicelift® consist of 4 bearing-mounted plastic rollers, which are fitted in pairs to the sides of the cabin. The G-servicelift®, guided in this way by tensioned wire cables can travel safely up and down. The platform guides, which were specially designed by goracon and are made of robust stainless steel, are used on the guide openings of the platform. This means that the G-servicelift® can travel safely and without fouling against pinch points, such as for example the platform openings.

**Ladder guides:**

The ladder guides for our ladder guided G-servicelift® consist of 4 brackets, which are fitted with rollers in pairs. The top brackets are fastened rigidly to the support structure of the G-servicelift®, and the bottom brackets are fastened to the floor structure. Free-running and bearing-mounted plastic rollers with flanges ensure that there is solid and low-wear guidance on the side beams of the ladder.





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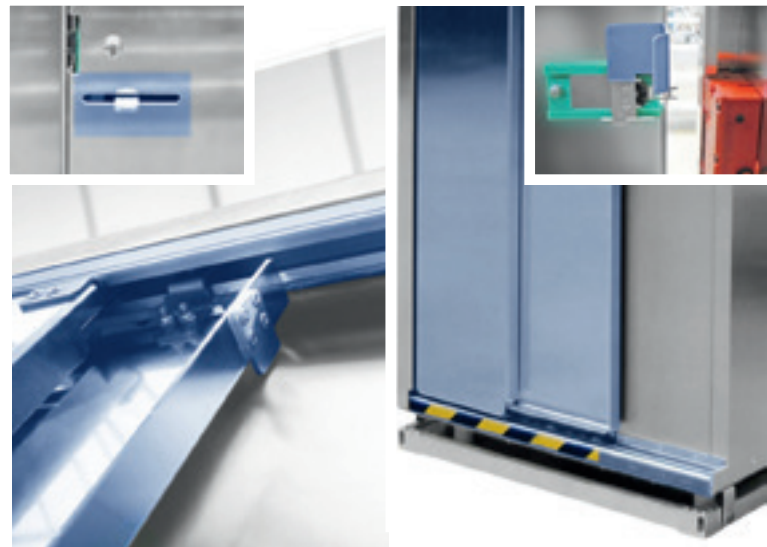
Automatic drive:

The practical function of automatic travel enables operation of the **G-servicelift®** without people having to be in the cabin. Simply load the **G-servicelift®** with materials or tools, then turn the control panel with the operating buttons outwards and into the opening provided. A magnet switch detects that you would like to perform automatic travel. Press „Upwards“ and off it goes.



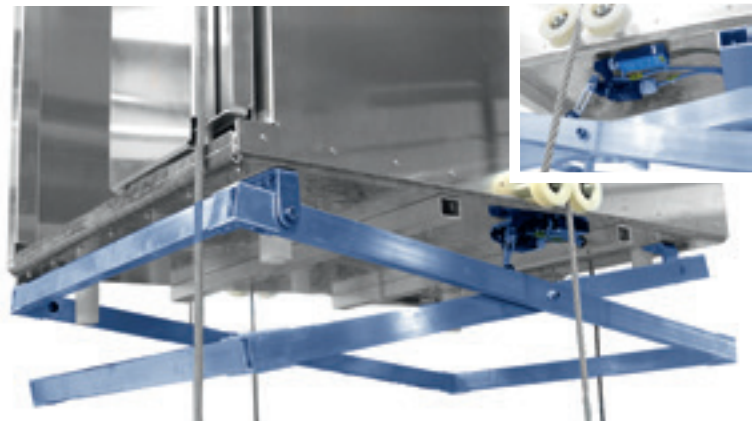
Sliding door:

The single-piece or double-piece sliding cabin door is hooked into a guide rail at the top by means of bearing-mounted roller carriages. These roller carriages ensure that the doors run easily and can be operated simply, and that they have a long service life. The door wings are guided at the bottom by means of a rail profile with an open groove, which ensures that the doors always run easily, since foreign bodies can not lodge in the rail profile. A robust door handle rounds off the high quality of the sliding door.



Ground and roof access passage:

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! G-interlock - the intelligent door locking system from goracon.

In accordance with Machinery Directives (2006/42/EG), the door of a service lift must only be capable of being opened at fixed stopping points. The door must remain locked during travel.

The parapet door at the point where the G-servicelift® stops must also only be capable of being opened, if the service lift is at the stopping point.

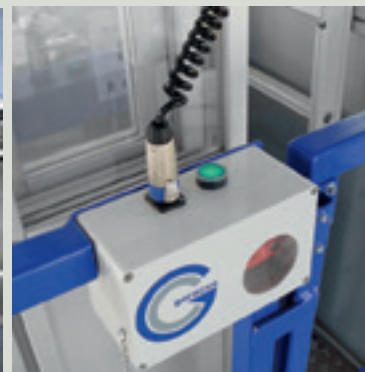
This locking of the parapet door must be monitored electronically.

Here too, goracon lives up to its pioneering role and it has developed the G-interlock a flexible, two-part safety system in accordance with the latest Machinery Directive:

- the basic unit with signal light and connection cable is firmly installed in the G-servicelift®.
- as many closing units in the tower as required can be installed as locks on the parapet doors, and these can only be opened if the G-servicelift® has arrived at the relevant platform.
- The cabin of the G-servicelift® has a sensor that is queried in the podium area, and releases the opening of the door as soon as the G-servicelift® has reached its position. While driving, for an emergency purpose, the door can be opened mechanically.

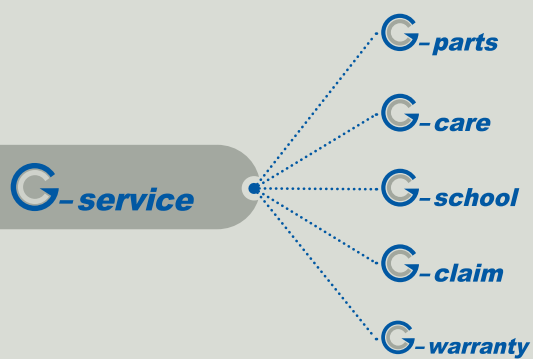
G-interlock benefits:

- cost-effective system – no need for an expensive and technically elaborate cabling of the whole tower.
- highest level of safety – the lift can only be moved, if the parapet door is closed. This means that safety gaps in the danger zone are excluded.
- intelligent protection – residual storage of the status of the door, even in a power cut.
- certified system – tested by the DGUV
- customers worldwide, global solutions – the components have been selected in such a way, that the system can be used without problems in Canada and the USA, and a Cold Climate version (CCV) is also available.



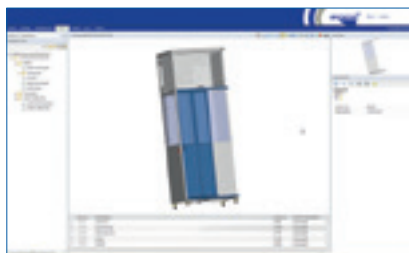
Best quality and optimum service

Safety plays an especially important role in the area of the height access technology for wind energy. Only the best quality of spare and wear parts can permanently ensure the safety of your employees and the full functionality of your systems. We know about our customers' stringent requirements from long-term experience and continuously subject our spare and wear parts to extensive quality checks.



Online-Plattform **G-service**

- All necessary information for every goracon product
- Web browser based
- Available all over the world
- Parts Identification and Ordering online
- Machine Specific Information
- Wiring Schemes
- Manuals and Repairing Instructions
- How To's
- FAQ



G-parts goracon Original Spare Parts

An optimised supply chain and widespread partner network help us realising to not only realise the highest quality but also the shortest delivery times at competitive prices for our customers. And if even the shortest delivery times leave no room for manoeuvre because of the threat of enormous stoppage costs in case of a system defect, we are pleased to be able to support you with advice and develop a tailor-made spare parts storage concept together with you to provide the correct quantity of parts in case of breakdown without unnecessary capital commitment. We will set up an individual concept together with you which encompasses all identical parts within the system and also takes into account the probability of a breakdown, ensuring an optimum cost-benefit ratio.

G-care Maintenance, Inspection, Repair

Decreasing availability and increasing repair costs of aging plants – this is not necessary! You always have the option of entering into a maintenance contract with goracon when purchasing a G-servicelift®. Apart from higher guarantees for your investment, further benefits include regular maintenance, longer service life, minimised repair costs, higher availability and above all constantly high safety for your staff. Faults can be detected and repaired early before a timeconsuming and cost-intensive breakdown occurs. With a goracon maintenance contract, the life-cycle costs for you are calculable and permanently low.

G-school Instruction, Training

Only instructed and trained personnel can safely operate your systems, use them appropriately, detect and remedy sources of danger, act correctly in emergency situations and instigate suitable measures in case of failures or defects.

goracon training gives your personnel all the necessary theoretical and practical knowledge for safe and proper handling of your G-servicelift®. The trainer can therefore deal with previously co-ordinated specific requirements or the spontaneously occurring individual needs of trainees. For us, a coordinated balance between theory and practice is just as much the key to successful training as the constantly relevant relationship to everyday working life and the clearly designed training media given to the participants.

G-school

- Instruction
- Training

The central goal of training for goracon products is always to generate strong safety awareness in the participants when handling goracon height access technology.



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