

*Solutions for offshore transformer stations*

**Are you paying skilled labor to climb stairs  
or to produce power?**



*Access anytime, anywhere*

## Vertical access for the offshore wind industry

**The benefits of installing Alimak rack and pinion elevators are recognized worldwide by oil companies for offshore drilling platforms and are well known within the power industry Alimak elevators that are built for harsh environments and transformer sub stations for offshore wind farms are no problem for a rack and pinion elevator.**

Vertical access solutions from Alimak Hek are ideal for accessing offshore structures for routine inspections, maintenance, and special surveys. They also provide fast and convenient access to crew quarters. Compared to traction elevators, rack & pinion elevators from Alimak Hek offer weight savings of approximately 43,000 kg per unit, improving deck load capacity by reducing total vessel weight.

### **Experience in the offshore and power industries**

Alimak Hek has provided permanent elevators based on rack & pinion drive technology to the offshore industry for almost 40 years. We delivered our first elevator for an Aker H-3 design semi-submersible in 1974 and since then, have emerged as the world's leading supplier of rack and pinion elevators to this industry.

Alimak Hek has delivered several hundred elevators to the offshore oil and gas industry and more than 1,000 to the power industry. In fact, we have installed over 30,000 rack & pinion solutions for different industries worldwide. We have developed extensive engineering knowledge on a wide variety of industrial applications.

Industrial elevators from Alimak Hek are designed to withstand the harsh environments and abrasive conditions offshore. From hull columns and derricks to living quarters and helicopter decks, Alimak Hek provides safe, reliable vertical access, anytime and anywhere it is needed.

### **Ideal for offshore applications**

The rack & pinion elevator has proven to be easy to install and maintain and compared to accessing heights via stair towers, rack & pinion elevators significantly increase efficiency, productivity, and safety.

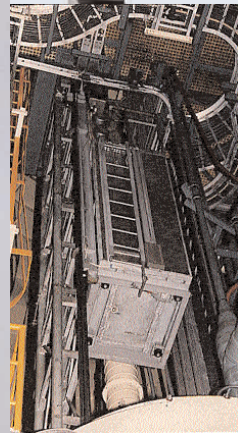
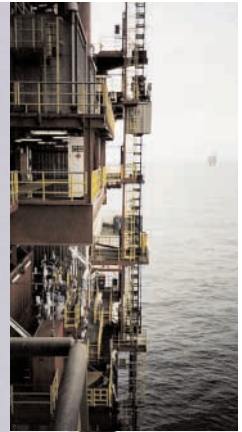
Rack & pinion elevators from Alimak Hek are ideal for accessing offshore structures for inspection, monitoring, maintenance, for transport of materials, tools and replacement parts. They effectively reduce the risk of falls from height, eliminate exertion from climbing, and provide the ability to quickly transport injured personnel from any height.

### **Unique capacity to handle special products or projects**

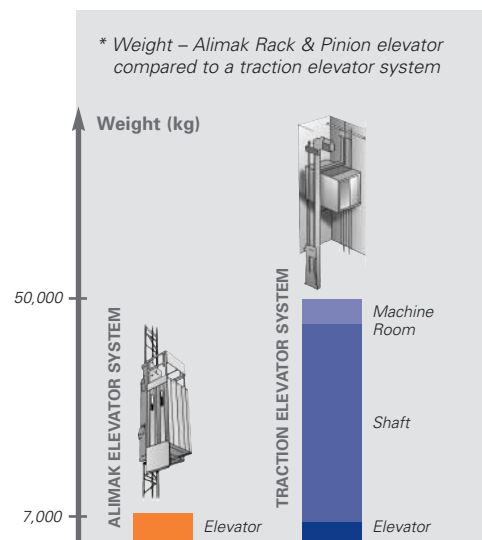
Most specifications for offshore elevators dictate requirements for materials, surface treatment, marking, traceability of materials and documentation. Our specialized engineers have long and vast experience from projects with high demands and are able to handle special projects through all their stages. They are trained and organized to provide project plans and risk analyses, carry through approval and inspection procedures and deliver correct, complete documentation on time.

### **Benefits at a glance**

- Avoid stoppages and delays through personnel fatigue or accidents
- Proven operational reliability and safety record
- Full through-life OEM operational after-sales support
- Compact design to fit in confined spaces
- Expert Project Management, Design & Construction Services
- Compliant with International Design Standards & Controlled by EN-ISO 9001 Quality Systems, DNV Certified.



- Shaft-less
- Machine room-less
- Weight savings of up to 43,000 kg\*



For a free investment recovery calculations, please consult your Alimak Hek representative.

### Rack & pinion pioneers

In 1962 we pioneered the rack & pinion drive system which, within a few years, established Alimak Hek as the world's leading specialist in Rack & Pinion technology. The rack & pinion elevator proved to be simple, reliable and cost-effective compared to the wire rope drive or other revolutionized passenger and material transportation options.

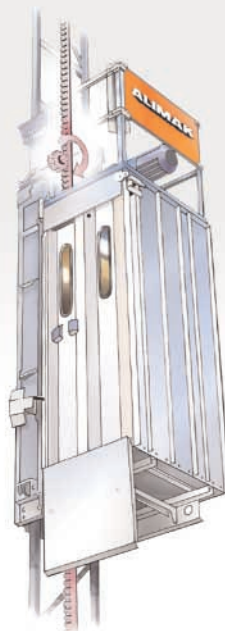
### Offshore support services – all over the world

Alimak elevators are provided through a worldwide network of Alimak Hek sales companies and distributors. Local service and support is provided in more than 60 countries around the world. This means easy access to support, spare parts and skilled service technicians.

Worldwide, offshore crews and personnel responsible for the repair and maintenance of offshore rigs rely on industrial elevators from Alimak Hek to perform maintenance and repairs quickly in order to keep critical operations running and to optimize overall productivity.

### Rack & pinion simply because:

- *Made for tough environments*
- *No shaft is required*
- *No machine room is required*
- *Indoor or outdoor installation*
- *Small footprint*
- *Low space required above the elevator at top landing*
- *No concrete pit is required*
- *Small interference to buildings or structures*
- *Easy to retrofit to existing structures*
- *Can be installed on inclined and curved surfaces*
- *No lifting height limits*
- *High capacities and speed*
- *Accurate leveling at landings*
- *Can descend based on gravity control in an instances of a power outage*
- *Durable and easy to maintain*



[www.alimakhek.com](http://www.alimakhek.com)

Alimak Hek AB is ISO 9001 and 14001 certified.

