

Remote Monitoring System – A³

The system for collection of information and data



Access anytime, anywhere

Remote Monitoring System – A³

Access. Anytime. Anywhere.

When it comes to vertical transportation, capacity, reliability, and cost have traditionally been viewed as the key dimensions of overall performance. However, in today's expanding world, another dimension of vertical transportation – distance – is becoming equally important. Solving a problem that needs immediate attention – whether on the other side of town, the other side of the country, or the other side of the world – requires the ability to instantly bridge geographical limitations. It requires A³.

Remote monitoring for enhanced productivity

A³ is an advanced online system for remote monitoring of your rental equipment. It collects and displays a wide variety of operational information and data, including first start and last stop of the day, hours in operation, and much more. Depending on the control system used, it can also be a powerful fault tracing instrument, capable of tracing faults for quick and easy action in order to minimize downtime. The communication goes directly to computers via email or the Internet, or to cell phones (SMS or MMS).

Connected to a construction hoist's ALC-II controller, A³ makes the unit come alive. The system sends out updates describing the what, when, where, and why of the hoist's status. If a problem occurs, A³ immediately sends an alarm and a short description of the situation.

Since the A³ system is connected via the Internet, a total overview of all of the connected hoists and all of the generated data is just a browser window away. You can log on to the administrative tool and see an event history and current status of all of your A³-equipped machines. For more information on a specific hoist, just click on the machine in question and the system will provide a more detailed presentation. You can even contact the hoist if you want to confirm the status or check on an urgent alarm.

The A³ system offers an optional GPS function that provides an easy way to track and identify the different hoists in the system. You can acquire the current positioning of the hoists on an ordinary, easy-to-read map, and, in many locations, obtain a bird's eye view of the construction site. The system allows you to name the hoists and change the name for each building project, if needed. You can even store user information and add notes and other information that can be of use in a service or evaluation situation. All of the data can be exported into Excel, and then transferred to your business system or similar programs for post-processing and presentation.



Get connected. Get full control. Get A³.

Alimak Hek has been at the forefront of vertical access for more than half a century. Starting with the introduction of the first rack and pinion construction hoist in 1962, and followed by a continuous flow of hoist and transportation innovations since, Alimak Hek has forged a reputation as a creative problem solver. The A³ system continues that legacy today.

A³ offers better access, fewer standstills, and the ability to boost the bottom line. It also heralds the beginning of a new era of add-on product and service introductions that will further enhance and simplify vertical transportation.

A³ vertical win-win solution

A³ offers something for the entire construction industry. We've designed, tested, redesigned, and retested A³ to provide new advantages for our customers, their customers, and the end user.

For rental companies

The A³ system creates a virtual presence that allows rental equipment owners to survey their equipment 24 hours a day. You can track the usage time for each A³-equipped hoist in your fleet to the minute, and also determine if and when a hoist has been overloaded. This capability allows you to offer your clients more accurate and flexible rental contracts based on actual usage, instead of number of hoists available.

The A³ system provides continuous feedback on alarms, standstills, and other deviations, enabling you to respond swiftly and accurately, often without having to be on site. Through extensive, real-world field tests we know that one out of every two alarms can be solved online or with a simple phone call. We also know, through first-hand experience, that accurate monitoring of usage results in substantial additional rental revenues.

For contractors

Since the system is constantly connected, you have immediate and continuous access to the best service available, no matter where in the world the hoist is located. With the A³, many problems can be solved even before you notice them in service, minimizing downtime and giving you access to continuous, proactive support.

Of course, there will still be times when a service technician is required on site. But with the diagnostic abilities of the A³ system, the technician will arrive with a clearer picture of what needs to be done, with parts programmed for your specific hoist and ready for immediate use. With A³, vertical transportation on your building projects will be more up and less down.

For existing hoist, crane, and work platform owners

Since the A³ system is built on open standards and uses proven technology, it is also good news for owners of existing equipment. Through a stand-alone solution we call the "Orange Box", you can add A³ functionality to existing Alimak and Champion hoists and Hek mast climbing work platforms, as well as to tower cranes that weren't originally designed for online access. Designed for fast and easy installation in the field, the Orange Box makes it possible to remotely monitor existing equipment that lack ALC-II controllers.

Remote Monitoring System – A³



A web-based user interface gives you a good general view of all the connected machines as well as quick access to all the generated data.



The current positioning of the machines is presented on an ordinary map.



The Orange Box brings A³ functionality to existing construction hoists, tower cranes, and mast climbing work platforms of different brands.

www.alimakhek.com
Alimak Hek AB is ISO 9001 Certified



Pictures are illustrative only and do not necessarily show the configuration of products on the market at a given point in time. Products must be used in conformity with safe practice and applicable statutes, regulations, codes and ordinances. Specifications of products and equipment shown herein are subject to change without notice. Copyright © 2009 Alimak Hek AB. All rights reserved. Alimak, Scando and Alimak Hek are registered trademarks of Alimak Hek Group AB.