AS7
ELECTRIC WIRE ROPE HOISTS

COLUMBUS MCKINNON CORPORATION
AS7 WIRE ROPE HOIST

The AS7 wire rope hoist offers innovative design with advanced lifting and crane technology. The modular system is built with field-proven, low-maintenance standard components to provide a cost-effective lifting system. Custom, precision manufactured components can be combined to provide the ideal specialized solution for many applications. If needs include explosion protected lifting technology, we are a global market leader with decades of experience.

The AS7 provides practically unlimited component combinations to produce your individual configuration, including:
- Two designs for load capacity up to 85 tons
- Rated to meet ASME H2, H3, H4, and H4+ or CMAA Class A, B, C, or D service requirement. Higher ASME or CMAA ratings available upon request
- Double girder trolley on double girder overhead traveling cranes or as stationary hoisting or towing equipment with different angles of installation and rope lead-offs
- Central gear design featuring motor, gearbox, and rope drum arranged one behind the other for high performance and superior load handling

The reduced capacity ASR7 WIRE ROPE HOIST:
- Designed for a load range from 20 to 35 tons

- Combines components from the SH and AS7 wire rope hoists to offer a mid-range application hoist

The TWIN DRUM DESIGN (AS7 ZW) serves the same types of applications as the AS7 wire rope hoist, but offers:
- Higher load capacity up to 135 tons, greater lifting height, and faster hoisting speed standard
- True Vertical Lift — this important safety feature ensures that, as the rope of the twin drum runs simultaneously in opposite directions, the load is raised or lowered without any sideways motion of the hook

CUSTOM AS7 ATEX AND IECEX COMPLIANT EX wire rope hoist designs:
- Available for use in explosive atmospheres for Zone 1, Zone 2, Zone 21, or Zone 22

These AS7 wire rope hoists are equipped with maintenance platforms to make maintenance work safer. Hooks can be electrically rotated, ensuring precise handling.
Two designs for load capacities up to 85 tons

- Reduced-size ASR7 for a safe working load range from 20 tons to 35 tons, with exact load measurement at the rope anchorage (entry-level model)
- Innovative drive technology with cylindrical rotor motor with monodisc spring-loaded brake
- Deck mount version or double girder trolley for systems and crane building
- Compact construction and low approach dimensions
- Higher load capacity up to 135 tons, hoisting speed, and lifting heights are available
- Largely maintenance-free, low wear, long service life in accordance with ISO
- Available in explosion-protected design complying with ATEX and IECEx
A variety of models and trolley options for the AS7 and ASR7 wire rope hoists open up numerous possibilities. Systems can be tailored to your specific requirements as stationary hoisting or towing equipment, for use with a double girder trolley, or for systems manufacturing. Trolleys are equipped with two travel speeds as standard and other speeds are available as options. Compact construction and extremely short approach dimensions help make optimum use of a restricted space.

**DECK MOUNT MODEL**
The AS7 wire rope hoist can be used as stationary hoisting or towing equipment, for example in systems manufacturing. Depending on the application, the rope lead-off angle, the hoist mounting, and the mounting position of the hoist motor can be adjusted.

**OE DOUBLE GIRDER TROLLEY**
The OE double girder trolley is intended for use on double girder overhead traveling cranes. The extremely compact construction makes very low approach and headroom dimensions possible. The double girder trolley is available with various track gauges for the whole load capacity range.

**TWIN DRUM**
The AS7 ZW wire rope hoist can also be used as stationary hoisting equipment or with the OE double girder trolley.
**APPLICATION EXAMPLES**

The AS7 wire rope hoist used as horizontal towing equipment in systems manufacturing.

The frequency controlled AS7 wire rope hoist bolted to the floor used as vertical towing equipment in systems manufacturing.

The AS7 wire rope hoist with guided load pick-up.

The AS7 ZW wire rope hoist is primarily used with a double girder trolley on double girder overhead traveling cranes.

<table>
<thead>
<tr>
<th>Type</th>
<th>Load Capacity up to [Ton]</th>
<th>Standard Reieving</th>
<th>Reieving for True Vertical Lift</th>
<th>Deck Mount</th>
<th>OE Double Girder Trolley</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASR7</td>
<td>35</td>
<td>4/1 (4PS)</td>
<td>–</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>AS7</td>
<td>85</td>
<td>2/1 (2PS), 4/1 (4PS), 6/1 (6PS)</td>
<td>2/2-1 (1PD), 4/2-1 (2PD), 8/2-1 (4PD), 10/2-1 (5PD)</td>
<td>Standard</td>
<td>Standard</td>
</tr>
<tr>
<td>AS7ZW</td>
<td>135</td>
<td>–</td>
<td>ZW 4/2-1 (2PD), ZW 6/2-1 (3PD), ZW 8/2-1 (4PD), ZW 10/2-1 (5PD)</td>
<td>Standard</td>
<td>Standard</td>
</tr>
</tbody>
</table>
Whatever you want to move, the AS7 wire rope hoist’s outstanding flexibility provides the solution. Used as stationary lifting or towing equipment with different angles of installation and rope lead-offs, it can move factory doors and storage and retrieval machines. The AS7 can also perform as a traversing hoist with more than one rope lead-off, for example in long goods storage technology. Additional reeings available upon request.

**ANGLE OF INSTALLATION**
The AS7 wire rope hoist can be mounted in various angle ranges. For rope drives with bottom hook block, the wire rope hoist must always be installed with its longitudinal axis horizontal.

**FLEET ANGLE**
Various rope fleet angles are made possible by rotating the rope guide on the rope drum and setting the wire rope hoist up accordingly. The rope guide is adjusted to suit the rope angle.

<table>
<thead>
<tr>
<th>Standard</th>
<th>Turning of the Rope Guide</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>B</td>
</tr>
<tr>
<td>α1 (18°)</td>
<td>β (30°)</td>
</tr>
<tr>
<td>ζ (3°–10°)</td>
<td>α (72°)</td>
</tr>
<tr>
<td>δ (10°)</td>
<td></td>
</tr>
</tbody>
</table>
SINGLE-REEVED ROPE DRUM
Standard Reeling
The model with single-grooved rope drum is used for stationary hoisting or towing equipment or combined with a double girder trolley.

DOUBLE-REEVED ROPE DRUM
Reeving for True Vertical Lift
When true vertical lift is required, the double-grooved rope drum (right-/left-hand thread) model can be used in stationary form and with a double girder trolley.

DOUBLE-REEVED ROPE DRUM
Reeving for Multiple Load Pick-up Points
The model with double rope drum (right-/left-hand thread) is used for many lifting and towing tasks where the load must be picked up at more than one point and true vertical lift is required.

TWIN DRUM
Reeving for True Vertical Lift
Independent of the grooving of the rope drum, stable guiding of the hook and precise positioning of the load are guaranteed.
Advanced, reliable technology is built into every AS7 wire rope hoist. The nearly maintenance-free components of the modular wire rope hoist are optimally matched to each other, providing continuous productivity, high efficiency, and long service life. One of the most important characteristics of this wire rope hoist is the arrangement of the motor, gear, and drum on one axis. This narrow construction is particularly suitable for systems manufacturing and can be used in restricted spaces.

1 ROPE AND ROPE GUIDE
- Highly flexible special rope with long service life
- Field-proven enclosed rope guide in spheroidal graphite cast iron has no temperature limitations
- The GJS material (previously designated GGG40) is suitable for highest and lowest temperature ranges
- 360° rope tensioner, preventing the formation of slack rope

2 PAINT
- Standard paint treatment as per RAL 6018 yellow-green and RAL 7021 greish black
- High-quality primer and top coats for standard applications
- Off-standard paint treatment for outdoor use or corrosive ambient conditions
- Shade per customer’s requirement

3 OVERLOAD PROTECTION
- Permanent electronic monitoring of the suspended loads
- Limitation of the maximum load by load measurement at the rope anchorage possible in the case of multiple reeving

4 PRECISION GEARING
- All gear steps with lifetime lubrication in oil bath
- Minimal noise development thanks to modern technology

5 CONTROL PANEL
- Condition monitoring as standard
- Inching operation is suppressed, thus reducing stress
- All common control voltages available
- High degree of safety due to overdimensioned contactors
- Temperature monitoring of the hoist motor and travel motor
Low-maintenance, asbestos-free brake needs no adjustment
Long service life due to generously dimensioned brake
Brake easily accessible for inspection from outside
Motor management ensures low wear
IP65 or NEMA 4/4X protection

Special-purpose motor for hoisting applications
Classified according to FEM (ISO), high duty cycle and switching operation frequency
IP55 or NEMA 4/12 protection, thermal class F
Motor outside rope drum, highly efficient motor cooling, maintenance-friendly
Temperature control by PTC thermistors

Optimized ratio of drum to sheave diameter ensures low wear on rope
Flexible and long-life wire rope
Wear-resistant return sheaves, fine machining provides rope-friendly grooves in rope drum
Drum easily accessible for rope replacement
Robust bottom hook block with low headroom despite large dimensioning of hook
Numerous mechanical and electronic options provide even greater safety and convenience. These options boost productivity, extend service life, and customize the hoist to your specific requirements.

**CONTROL PENDANTS**
- Robust control pendant with EMERGENCY STOP palm button and control cable
- All switching elements for hoist, cross, and long travel are 2-step
- IP65 or NEMA 4/4X protection
- Additional buttons, such as horn activation, can be fitted easily
- Optional load display. All data displayed can be read out on a notebook with the aid of the SMC Multicontroller

**RADIO REMOTE CONTROL SYSTEMS**
- Handheld and bellybox-style transmitters available, and systems can be built to your exact specifications
- Handheld transmitters offer:
  - High resolution color display which keeps the operator informed of system status and diagnostics at all times, including battery life, signal strength, and warning symbols
  - Frequency options include 400MHz and 2.4GHz
  - NEMA 4 (IP66)
- Bellybox transmitters provide:
  - Optional graphic display
  - Several frequency options including 400MHz, 900MHz, and 2.4GHz
  - ATEX and IECEx approvals for Zone 0, Zone 1, and Zone 2 applications available

**MAGNETEK HOIST AND TROLLEY VARIABLE FREQUENCY DRIVES (VFD)**
- Continuously monitors motor speed and load to ensure optimal performance and safe load control
- Dynamically decelerates motors without the use of brakes
- Automatically stabilizes loads by detecting and minimizing rapid increases in motor torque
- Allows a load to be held aloft at zero speed without setting the electric brake
- Allows over speeding with light loads or empty hook
- Tests that motor can safely hold a load in case of brake failure
- Continuously monitors hoist overload conditions
- Provides annunciation of slack cable condition
- Phase loss detection
- Allows operators to scale motor speed for load positioning
In standard version, the hoist is equipped with a geared limit switch for top and bottom hook position and an operational limit switch for top hook position.

Optionally, up to eight switching elements can be fitted to the switch. This permits further stopping positions and operational limiting in bottom hook position.

- Continuous load monitoring by overload cut-off even if hoist is idling
- Overload protection with ALC automatic load control
- Load spectrum memory for load-related operating time summation
- Operating data registration, e.g., operating hours, load spectrum, motor switching operations, and load cycles
- Data exchange with PC possible

SLD four-digit 7-segment load display (STAHL Load Display), large format, luminous red, available with various interfaces including CAN

- Choice of 60mm, 100mm, or 150 mm digit height
- No additional sensor is required as the standard load sensor is used

Visual and acoustic signal transmitters such as horn and flashing light can be mounted on trolleys

Signal transmitters can be activated by a button on the control pendant
**OPTIONS**

**MANUAL RELEASE OF HOIST BRAKE**

- Brake release device permits the hoist brake to be released manually and thus the load to be lowered during a power cut
- Manual release of hoist brake available to supplement standard brake

**ROPE DRUM BRAKE**

- Redundant brake system provides increased safety
- Intercept and holding brake, prevents the load from falling even if the gear should break
- Control is affected with a centrifugal switch or safety PLC

**TDC TWIN DRIVE DESIGN**

- Prevents sagging of the load even when the gearbox fails
- Permanent brake, drive, and load monitoring
- Two synchronously controlled hoist motors and brakes
- Two manually releasable brakes for emergency lowering
- Robust, completely encapsulated system
- Service and safety brake of identical design
- Up to 60% higher load capacities when transporting non-molten metals
<table>
<thead>
<tr>
<th><strong>STANDARD FEATURES &amp; OPTIONS</strong></th>
<th><strong>Standard</strong></th>
<th><strong>Options</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Ambient Temperature</td>
<td>–4°F to +104°F</td>
<td>–40°F to +176°F</td>
</tr>
<tr>
<td>Protection to IEC/EN 60529</td>
<td>IP55</td>
<td>IP6</td>
</tr>
<tr>
<td>Color</td>
<td>Greyish black/yellow-green RAL 7021/6018</td>
<td>All other colors from RAL color chart</td>
</tr>
<tr>
<td>D.F.T.</td>
<td>80 µm</td>
<td>120 µm to 320 µm</td>
</tr>
<tr>
<td>Paint</td>
<td>Polyurethane topcoat</td>
<td>Epoxy-resin base (240/320 µm)</td>
</tr>
<tr>
<td>Control Pendants</td>
<td>–</td>
<td>STH1 control pendant with/without load indicator</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Radio remote control unit with pushbutton or joystick control</td>
</tr>
<tr>
<td>Control</td>
<td>Electrical devices are wired onto a terminal strip in the hoist panel box</td>
<td>Complete control with transformer, crane switch contactor (main contactor)</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Crane manufacturers’ control without transformer and without crane switch contactor</td>
</tr>
<tr>
<td>Hoist Motor Control</td>
<td>Two-speed or frequency controlled, control range 2%-100%</td>
<td>Frequency controlled, control range 1%-100%</td>
</tr>
<tr>
<td>Travel Motor Control</td>
<td>50 Hz</td>
<td>16/65 fpm–5/20 m/min</td>
</tr>
<tr>
<td></td>
<td>60 Hz</td>
<td>20/80 fpm–6.3/25 m/min</td>
</tr>
<tr>
<td></td>
<td>50/60 Hz</td>
<td>8/80 fpm–2.5–25 m/min frequency controlled</td>
</tr>
<tr>
<td>Motor Supply Voltage</td>
<td>50 Hz</td>
<td>380–415 V</td>
</tr>
<tr>
<td></td>
<td>60 Hz</td>
<td>440–480 V</td>
</tr>
<tr>
<td>Rope</td>
<td>to DIN EN 12385</td>
<td>Bright or galvanized</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Ramshorn hook</td>
</tr>
<tr>
<td>Rope Drive</td>
<td>Bottom hook block, rope return sheaves, rope suspension, and wire rope with 1/1, 2/2-1, 2/1, 4/1, 4/2-1, 6/1, 8/2-1, 10/1-2, 2/2-2, ZW 4/2-1, ZW 6/2-1, ZW 8/2-1, ZW 10/2-1 reevings</td>
<td>Additional bottom hook blocks and/or return sheaves</td>
</tr>
<tr>
<td>限位开关 (Limit Switch)</td>
<td>Four switching points (3 up, 1 down): Emergency top, operational top, changeover from fast to slow, emergency bottom</td>
<td>With additional switching elements for further stopping positions of hook</td>
</tr>
<tr>
<td>Travel Limit Switch</td>
<td>–</td>
<td>For up to four switching functions – pre- and end limiting in both directions of travel</td>
</tr>
<tr>
<td>Overload Cut-off</td>
<td>SLE</td>
<td>SMC</td>
</tr>
<tr>
<td>Signal Transmitter</td>
<td>–</td>
<td>Horn, flashing light</td>
</tr>
<tr>
<td>Visualization</td>
<td>–</td>
<td>Large-format load display, display in control pendant, with PC</td>
</tr>
<tr>
<td>Data Exchange</td>
<td>–</td>
<td>RS 232, RS 485, CAN</td>
</tr>
<tr>
<td>Temperature Control of Travel Motors</td>
<td>PTC Thermistors including tripping device</td>
<td>–</td>
</tr>
<tr>
<td>Mechanical Protective Device</td>
<td>Wheel arresters</td>
<td>Anti-derail device</td>
</tr>
<tr>
<td></td>
<td>Double girder trolley with buffers</td>
<td>–</td>
</tr>
<tr>
<td>Hoist Brake</td>
<td>Monodisc spring-loaded brake with asbestos-free brake linings</td>
<td>Manual brake release, or redundant drive unit by Twin Drive Design</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Rope drum brake</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Air monitoring</td>
</tr>
<tr>
<td></td>
<td>–</td>
<td>Wear monitoring</td>
</tr>
</tbody>
</table>
Our experts bring innovation and customization to redefine the lifting and transporting of loads for complex requirements even in explosive areas. Building on our extensive range of standard components, we can develop and provide customized yet cost-effective, quality solutions for your application. Our experience and knowledge gained from over 140 years of crane technology give us the flexibility to quickly develop and produce the optimal solution for your project. All non-standard wire rope hoists and customized solutions are also available in explosion-protected designs for Zone 1, Zone 2, Zone 21, and Zone 22.

PROJECT SPOTLIGHT
TWO CRANES, FOUR WIRE ROPE HOISTS, AND A SPECIAL CONTROLLER
To modernize a crane system for the production of electric motors, old concrete crane runways were reinforced to a load capacity of 32 tons, and the two existing crane systems equipped with four AS7 wire rope hoists with a lifting capacity of 32 tons each. The cranes are used to transport completely assembled motors. Varying load capacities in the factory and production area place high demands on the control equipment for the crane systems.

The four wire rope hoists are equipped with redundant sheave pin load cells to monitor the hoisted loads, as well as a fail-safe position measuring system for the hoists and fail-safe data transmission between the cranes. The control equipment registers the position data and the distance between the two cranes as well as the current load on each of the four AS7 wire rope hoists. Hoisting and travel movements are permitted or blocked depending on all measured data. In this way two cranes can work a small distance apart on the same crane field as long as their total payload does not exceed 32 tons. If the two cranes are located a small distance apart to the left and right of one of the hall supports, the controller allows both cranes to pick up the full payload. The controller allows tandem operation of the two hoists. Tandem operation of the two cranes, by contrast, is not permitted.

FEATURES
- Crane and hoist collision protection
- Fail-safe position measuring system for hoists
- Fail-safe data transmission between the cranes
- SMC evaluation device and two-channel SCC safety shut-off device
PROJECT SPOTLIGHT
ASF7 WIRE ROPE HOIST IN A HIGH BAY WAREHOUSE

Our engineers developed a storage and retrieval system for stacks of concrete weighing up to 50 tons. During storage, the spreader beam of the storage and retrieval machine is raised. After it has reached the required level, a rail-bound carriage moves into the storage box and picks up or sets down precast concrete sections. The four frequency motor controlled AS7 wire rope hoists working in sync are mounted on the base of the storage and retrieval machine. Each is designed for a load capacity of 21.5 tons and they raise the telescopic platform up to 15//50 fpm with four lengths of 25 mm diameter rope. These are special flexibility ropes with a rope safety factor of 10:1.

The wire rope hoists are driven by high-powered 48.3 HP frequency controlled motors. This inverter technology enables the speed to be regulated steplessly and precisely. The maximum speed varies depending on the weight of the suspended load.

The smooth starting of the motors reduces impact forces, and supporting structure, ropes and rope sheaves are protected from damage. Forced ventilation mounted on the motors permits a duty cycle of 80% DC and ensures that the motors do not overheat even in continuous operation.

As the outdoor high-bay warehouse is exposed to all weather conditions, the SPC control is mounted in a climate-controlled panel box. This control regulates the synchronization of the hoists and prevents operating errors and accidents.

FEATURES

- Storage and retrieval machine weighing 110 tons with four synchronized frequency motor controlled AS7 wire rope hoists
- Track gauge: 47 feet, height: 50 feet, length: 44 feet, load capacity: 50 tons
- Hoisting speed max. 50 fpm
- Travel speed max. 295 fpm
- SFD frequency inverters
- SPC control
- High ISO classification
The safety of people and machines in areas subject to gas and dust explosion hazards is our top priority. With decades of experience, research, and development, we are internationally known for our expertise in explosion protection technology. Our products hold approvals from the Federal Physico-Technical Institute (PTB) and other testing institutes in many countries. Our hoisting technology ranks among the safest on the market in the chemical, petrochemical, food processing, pharmaceutical, power supply, shipbuilding, and offshore and natural gas liquefaction industries (LNG).

**CUSTOM AS7 ATEX AND IECEx COMPLIANT EX WIRE ROPE HOISTS OFFER:**
- The same modular flexibility as the AS7 wire rope hoist
- All explosion-protected hoist components are built by us, including the motor, brake, control, and pendant, ensuring complete high-quality explosion protection which users, crane manufacturers, and system manufacturers worldwide have relied on for decades
- Compliance with all strict ATEX directives and IECEx regulations on mechanical and electrical explosion protection

### FEATURES
- International specialist for explosion-protected technology
- The world’s first complete, most comprehensive wire rope hoist program for Zone 1, Zone 2, Zone 21, and Zone 22
- Design and maintenance to ATEX and IECEx
- All equipment available in explosion-protected design

<table>
<thead>
<tr>
<th>Use</th>
<th>Category</th>
<th>Protection Against</th>
<th>Explosion Protection Class</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zone 1</td>
<td>Ex II 2 G</td>
<td>Gas</td>
<td>Ex de IIB T4 Gb or Ex de IIC T4 Gb</td>
</tr>
<tr>
<td>Zone 2</td>
<td>Ex II 3 G</td>
<td>Gas</td>
<td>Ex de nA IIB T3 (T4) Gc or Ex de nA IIC T3 (T4) Gc</td>
</tr>
<tr>
<td>Zone 21</td>
<td>Ex II 2 D</td>
<td>Dust</td>
<td>Ex tb IIIIC T 120°C Db</td>
</tr>
<tr>
<td>Zone 22</td>
<td>Ex II 3 D</td>
<td>Dust</td>
<td>Ex tc IIIIC T 120°C Dc</td>
</tr>
</tbody>
</table>

Explosion-protected wire rope hoists in twin design with auxiliary hoist facilitate compressor maintenance in a hydrogen liquefaction plant.
Columbus McKinnon is committed to developing products that meet the highest levels of quality, right down to the smallest details. This not only includes our products and the technology, but also the service and support we provide to our customers.

With a legacy spanning over 140 years, Columbus McKinnon’s best-in-class products are used around the world. Developed by our team of product managers, engineers, and manufacturing professionals, our products are designed for top-of-the-line performance, reliability, and safety. When you need help selecting the best Columbus McKinnon product or system for your lifting application or assistance with routine maintenance, we are here for you.

Columbus McKinnon is committed to developing products that meet the highest levels of quality, right down to the smallest details.

- Our Products
- Our Technology
- Our Service
- Our Support

**SPARE PARTS – AVAILABLE AROUND THE CLOCK**

Identifying the right spare part is as easy as providing the hoist serial number. We can track all the necessary parts to ensure the right replacement in just one “click,” and provide quick shipment around the U.S.A.

**COMPREHENSIVE CONDITION MONITORING SERVICE CENTERS**

Our factory service centers support our customers in the U.S.A. — we are available to assist crane or systems manufacturers with our advanced professional service, diagnostic equipment, and condition monitoring systems to support professional service and maintenance work.

**KNOW HOW. KNOW WHY.**

Columbus McKinnon provides expert safety training on the proper use and inspection of rigging and overhead lifting equipment.

- Comprehensive Hoist, Crane, and Rigging Training
  - In-house training at national Columbus McKinnon training centers
  - On-site training at customer facilities
- Crane & Hoist Inspection and Maintenance Training
- Crane Operator Training
- Rigging Certificate
- CMCO University™
  - Product and application knowledge to advise customers during product selection and purchasing
  - And much more
Two double girder overhead traveling cranes are used in a repair workshop for dismantling and assembly of mining machinery. The hoists are equipped with electronic load indicator and load monitoring for increased safety and reliability.

Three bridge cranes with two identical AS7 wire rope hoists each are equipped with stepless drives. Each of the AS7 wire rope hoists is designed for a load capacity of 40 tons. The ramshorn hooks can be electrically rotated so that the loads can be handled precisely. The catwalks make inspection and maintenance work easier. A comprehensive condition monitoring package is part of the maintenance system.

Double girder overhead traveling cranes with AS7 wire rope hoists with lifting capacities of 41 tons and 60 tons are used in one of Norway’s biggest power stations in Bergen. The frequency-controlled hoists are used for maintenance work.
A double girder overhead traveling crane with an AS7 wire rope hoist is used in a sheet metal cutting plant. The hoist is equipped with a motor-controlled rotational hook and an adjustable magnetic lifting beam.

A manufacturer of CNC machine tools needed 86 cranes for its new production facility. 15 AS7 wire rope hoists and 105 SH wire rope hoists are used in the factory, partly as a combination of main and auxiliary hoist.

Twenty nine cranes utilizing AS7 and SH wire rope hoists work in a factory in the Middle East. They include two double girder cranes with a tandem capacity of 150 tons. Anti-Sway was provided for all cranes.