



SOLUTIONS AGAINST UNINTENDED CAR MOVEMENT

## CERTIFIED UCM SOLUTIONS ACCORDING TO EN81-1/2 A3

### What is unintended car movement?

According to EN81-1/2 A3 and EN81-21 A1 (new lifts in existing buildings), new lifts installed after January 1st 2012 must be equipped with a system to prevent a car moving away from the floor with the landing door not in the locked position and the car door not in the closed position.

A UCM solution can be certified as a system (type examination certificate) or composed by tested components.  
The UCM unit shall detect unintended movement of the car, shall cause the car to stop and keep it stopped.



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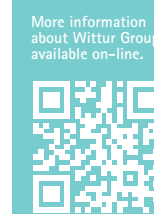
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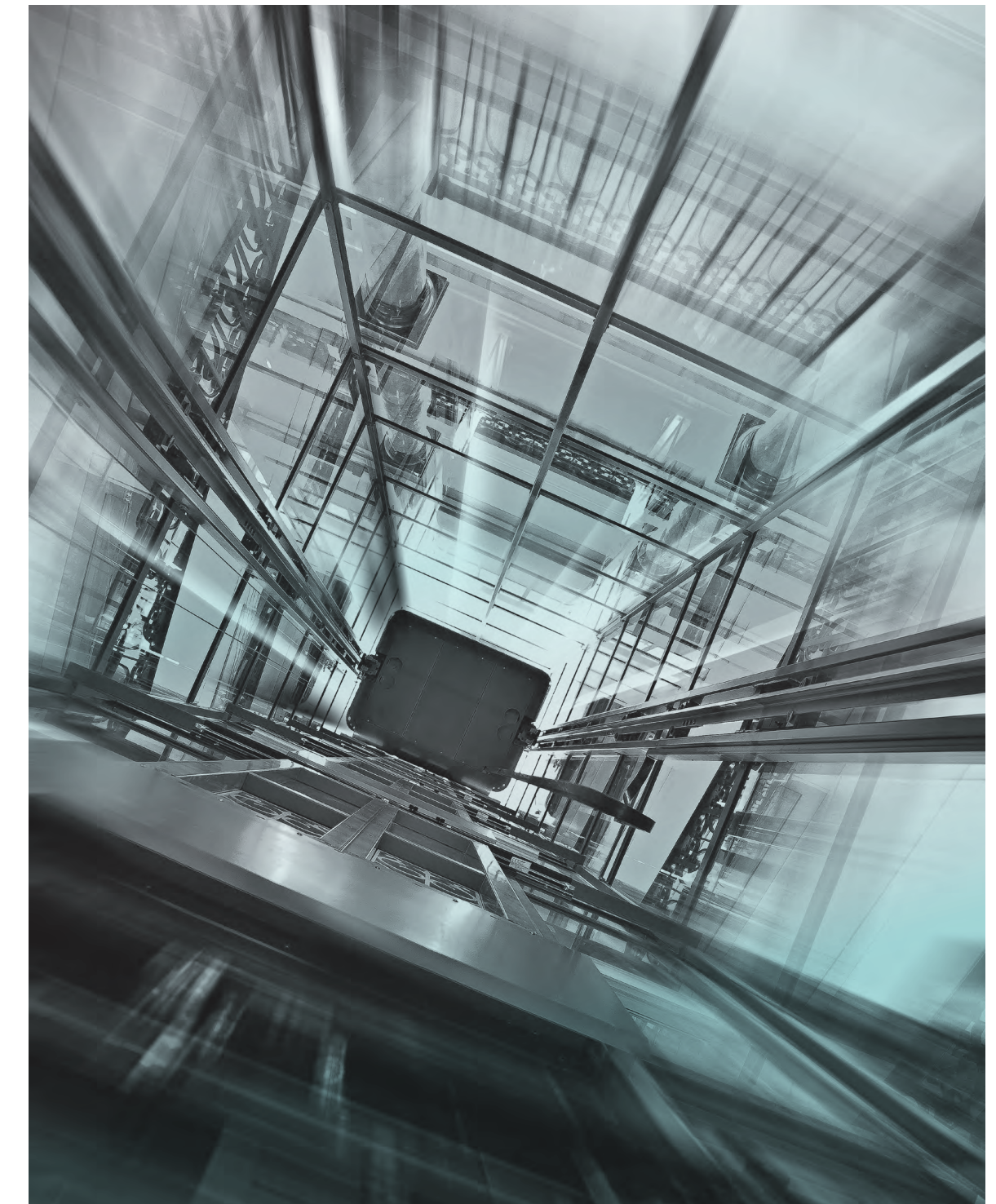
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COMPLETE EN81-1/2 A3 SOLUTION PACKAGES OF WITTUR

## UCM SOLUTIONS



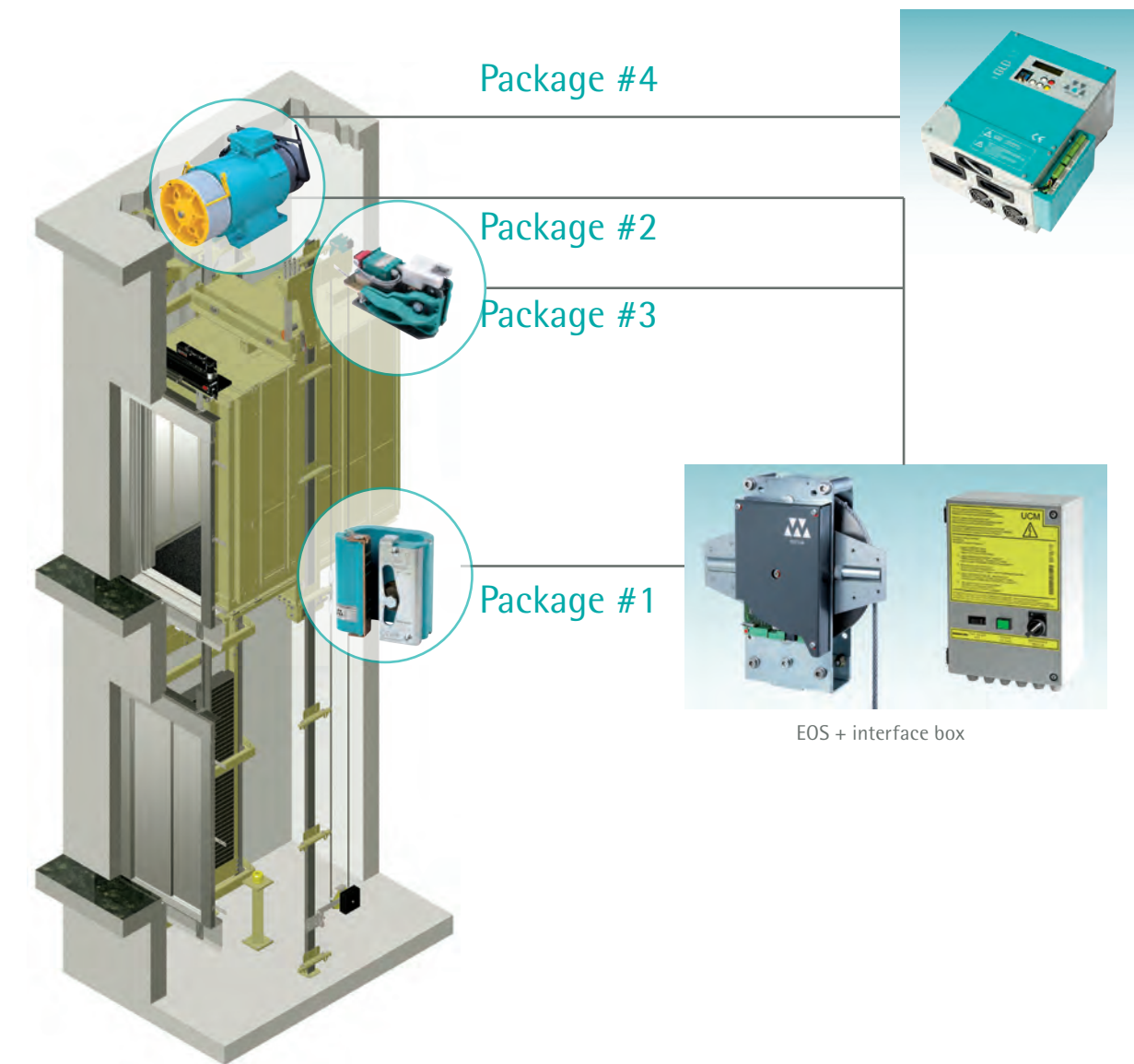
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## SOLUTIONS AGAINST UNINTENDED CAR MOVEMENT

# UCM Solution Packages for electric Lifts



- Applicable for Lifts according to LD 95/16/EC, EN81-1 A3, EN81-21 A1 and EN81-80 (SNEL).
- Safety system type tested against Unintended Car Movement: UCM Solution according to EN81-1 A3.
- Simplified placing on the market by system certificate A3.
- Accurate position and speed measurement.
- UCM distance and speed set and sealed by the factory: easy installation, no adjustment required.
- Self-monitoring system with completely redundant design for faultless operation.
- Electronic interface including all necessary components for autonomous operation of EOS; no modification of lift controller required.

## SOLUTIONS AGAINST UNINTENDED CAR MOVEMENT

# EOS with BSG-25P



Package #1

- EOS + BSG + Electronic interface.
- Max. rated speed 2,0 m/s
- Total mass P+Q 2550 kg
- Max. travelling height: 120 m
- Innovative bidirectional progressive safety gear BSG with great distance between guide rail and safety gear.
- EOS monitoring of car level, speed and acceleration.
- EOS triggers the safety gear after a predefined distance from floor level or after exceeding a predefined speed: fast intervention times and fast tripping after detection.
- Electronic interface independent from lift controller.
- Applicable for advanced door opening and releveling.
- Smart integrated UPS in case of power outage.

# EOS with gearless drive braking system



Package #2

- EOS + Gearless drive + Electronic interface.
- Max. rated speed 3,5 m/s
- Max. rated load: 4000 kg
- Max. travelling height: 120 m
- EOS monitoring of car level, speed and acceleration.
- EOS triggers the machine brake after a predefined distance from floor level or after exceeding a predefined speed: fast intervention times and fast tripping after detection.
- Electronic interface independent from lift controller.
- Applicable for advanced door opening and releveling.
- Smart integrated UPS in case of power outage.

## SOLUTIONS AGAINST UNINTENDED CAR MOVEMENT

# EOS with EBRA20



Package #3

- EOS + EBRA20 + Electronic interface.
- Max. rated speed 2,0 m/s
- Total mass P+Q 2000 kg
- Max. travelling height: 120 m
- EOS monitoring of car level, speed and acceleration.
- EOS triggers the safety gear after a predefined distance from floor level or after exceeding a predefined speed: fast intervention times and fast tripping after detection.
- Electronic interface independent from lift controller.
- Applicable for advanced door opening and releveling.
- Smart integrated UPS in case of power outage.

# GLD with gearless drive braking system



Package #4

- GLD frequency inverter + Gearless drive
- Max. rated speed 3,5 m/s
- Total mass P+Q 4000 kg
- Max. travelling height: 120 m
- Integrated electronic interface independent from lift controller.
- Not applicable for advanced door opening and releveling.
- No UPS or additional equipment required.