Elevator Technology
thyssenkrupp Elevator UK Ltd.
150 Minories
London EC3N 1LS
Phone: +44 (0) 20 7977 5837
marketing.tkeuk@thyssenkrupp.com
www.thyssenkrupp-elevator.com/uk/

Elevator Technology
synergy® 100
Pure and efficient.

engineering. tomorrow. together.
synergy 100: the proven solution that offers an excellent price-quality ratio.

synergy 100 proves that sleek design and a comfortable ride can be affordable. synergy 100 offers optimized shaft dimensions with the option of reduced pit and overhead spaces.

This compact elevator features durable materials that increase efficiency and working life. The low initial investment and high return throughout the lifecycle of the elevator ensure maximum return on your investment.

Choose synergy 100 and trust in thyssenkrupp’s expertise. Our excellent service ensures maximum availability and adds value to residential projects by ensuring optimum functionality for longer, resulting in increased user satisfaction.

All these attributes make synergy 100 perfect for residential buildings with low traffic flows.

<table>
<thead>
<tr>
<th>Overview synergy 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevator type</td>
</tr>
<tr>
<td>Passengers</td>
</tr>
<tr>
<td>Load</td>
</tr>
<tr>
<td>Speed</td>
</tr>
<tr>
<td>Travel height</td>
</tr>
<tr>
<td>Number of stops</td>
</tr>
<tr>
<td>Cabin</td>
</tr>
<tr>
<td>Door types</td>
</tr>
<tr>
<td>Door opening width</td>
</tr>
<tr>
<td>Door height</td>
</tr>
</tbody>
</table>
The easy solution that meets all your mobility needs.

synergy 100 is the ideal solution if you are looking for a durable, energy-efficient and compact elevator for a new residential building with low traffic flows and basic needs. Synergy is built on good quality and thyssenkrupp’s experience with a product that has already proved its effectiveness in the market for over 10 years.

Best-in-class shaft efficiency
Whether you choose standard dimensions for overhead and pit or a version with reduced dimensions - synergy 100 is best-in-class.

Low energy consumption
Synergy 100 offers several standard features that keep energy costs in the green range, such as LED lighting, automatic stand-by operation and its efficient, gearless machine. Synergy achieved an A class for energy-efficiency rating.

Our long history of engineering experience
Our experience guarantees reliability, and enhanced safety, thanks to strict internal safety standards.

Good investment
Excellent cost-performance ratio throughout the product lifecycle. Durable materials and proven components for longevity, supported by our skilled installation and outstanding service to ensure a longer working life.

synergy 100 benefits at a glance.

Durable cabin finish
Reduced overhead dimensions
Efficient, gearless machine for low energy consumption
Compact and with standardized cabin dimensions
Automatic rescue device
Fast and safe installation processes
Reduced pit dimensions
Reliable doors with safe operation

One elevator.
Many benefits.
Comfort.

More than a pleasant ride.

• **Accessibility:** cabin and door dimensions, high contrast landing indicators, as well as voice announcements meet the accessibility requirements of the EN 81-70 European standard.

• **Easy-to-use push-buttons** with Braille lettering and green frame for the main floor button.

• **The controller** avoids unnecessary trips and reduces waiting times.

• **Silent and low-vibration:** synergy 100 is best in class within its segment.

• **Landing accuracy:** the controller ensures accurate levelling. Landing accuracy of +/- 3 mm ensures safe and comfortable access for passengers.

Performance.

Delivering cost-effective performance that perfectly matches the needs of residential buildings.

- Gearless machine designed in Germany: high performance, high efficiency, low energy consumption, free of contaminant lubricants.

- **Proven components:** synergy 100 is manufactured using proven components that guarantee reliable performance. More than 75,000 units of the synergy family have already been delivered worldwide.

Efficiency.

Maximize your return on investment.

- **Sustainability is part of our corporate strategy.** It involves the holistic improvement of our products and processes to help you reduce the environmental footprint of your buildings and qualify for LEED® and BREEAM® certification by incorporating green features in our elevators.

- **Standby mode:** the cabin lighting comes with automatic switch-off as standard. **Sleep mode** (optional): the electronic components are turned off when the elevator is in sleep mode and instantly activated when the elevator is called.

- **Regenerative drive:** the optional regenerative drive is a smart system that generates electricity when the car has a full load going down and is empty going up. The power generated in both situations is then captured and fed into the grid.

- **LED lighting** is standard in all lighting devices (ceilings, push-buttons, etc). LED lighting can last 10 times longer and is up to 80% more energy-efficient than halogen lighting.

Safety & regulations.

Ensuring safety for all users at all times.

- **Elevators are the safest means of transport:** all safety elements are manufactured to meet all relevant industry standards and regulations, including our company’s own strict internal Safety, Health and Environment standards, as well as meeting ISO 9001 and 14001.

- **Stay connected 24/7:** whenever you need it, the communication system is there for you, keeping you connected with our 24hr call center.

- **Emergency evacuation** (standard): in the event of power failure, the Automatic Rescue Device (ARD) will safely take you to the next floor (load dependent) <1> and open the doors to allow passengers to exit the cabin <2>.
Design.

Stays looking good for longer.
The finish options of the F design line combine timeless, clean designs with attractive and durable materials.

Handrail
Standard handrail is a robust oval tube in chrome-plated aluminium with straight or curved ending. Optional: round satin stainless steel handrail with curved ending.

Panels
Choose between full stainless steel (brushed or linen) or a coated steel skinplate in a choice of six stylish coloured predesigned cabins.

Mirror
A mirror in 5 mm tempered safety glass is included on the rear wall, or on the side wall for elevators with a double entrance. All mirrors are conform to EN 81-70 and EN 81-20/50.

Landing Operating Panel (LOP)
Contemporary styling for landing signalling in white safety glass or stainless steel. With optional TFT 3.5” display.

Landing Direction Indicator Panel (LDIP)
Positioned on the door jamb or side wall.

Landing Indicator Panel (LIP)
The LIP surface installation module is set in black safety glass.

Colors, options and specifications are subject to change. All cabin decor options illustrated in this brochure are representative only. The samples shown may vary from the original in color and material. Patterned samples not to scale. Consult your thyssenkrupp Elevator sales representative about our cabin designer tool and samples.

Fresh

- F01: Yellow/White
- F02: Blue/White
- F03: Green/White
- F04: Beige/White
- F05: Grey/White
- F06: White/Stainless Steel Brushed

Timeless

- F07: Stainless Steel Brushed
- F08: Stainless Steel Linen

Discover more variants of the F design line in the cabin designer tool.

f-design-synergy.thyssenkrupp-elevator.com
Selected features & options.

<table>
<thead>
<tr>
<th>Comfort</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Accessibility</td>
<td></td>
</tr>
<tr>
<td>Door open/close and alarm push-button</td>
<td>●</td>
</tr>
<tr>
<td>Big push-buttons with Braille lettering</td>
<td>●</td>
</tr>
<tr>
<td>Round green hand in main floor push-button</td>
<td>●</td>
</tr>
<tr>
<td>Inductive loop for hearing-impaired passengers</td>
<td>●</td>
</tr>
<tr>
<td>Access control</td>
<td></td>
</tr>
<tr>
<td>Cancellation calls by double click in COP</td>
<td>●</td>
</tr>
<tr>
<td>Key switch in COP/LOP for access/functions</td>
<td>●</td>
</tr>
<tr>
<td>Encoded car calls (ECQ)</td>
<td>●</td>
</tr>
<tr>
<td>Preference/Independent service of COP</td>
<td>●</td>
</tr>
<tr>
<td>Out of service LOP</td>
<td>●</td>
</tr>
<tr>
<td>Penthouse control</td>
<td>●</td>
</tr>
<tr>
<td>Prepared for card reader LOP/LOP</td>
<td>●</td>
</tr>
<tr>
<td>Others</td>
<td></td>
</tr>
<tr>
<td>Car ventilation fan</td>
<td>●</td>
</tr>
<tr>
<td>CCTV</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performance</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Parking level in main landing floor</td>
<td>●</td>
</tr>
<tr>
<td>Group control system (up to 3 elevators)</td>
<td>●</td>
</tr>
<tr>
<td>Building-management system (BMS)</td>
<td>●</td>
</tr>
<tr>
<td>Extended Building Management System (EBMS)</td>
<td>●</td>
</tr>
<tr>
<td>Pre-opening of doors</td>
<td>●</td>
</tr>
<tr>
<td>Layout</td>
<td></td>
</tr>
<tr>
<td>Reduced overhead</td>
<td>●</td>
</tr>
<tr>
<td>Reduced pit</td>
<td>●</td>
</tr>
<tr>
<td>Machine room</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Efficiency</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Energy-saving LED lighting</td>
<td>●</td>
</tr>
<tr>
<td>Cabin/lighting standby</td>
<td>●</td>
</tr>
<tr>
<td>Sleep mode</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Safety &amp; regulations</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Light curtain protection</td>
<td>●</td>
</tr>
<tr>
<td>Emergency lighting in cabin 3 h</td>
<td>●</td>
</tr>
<tr>
<td>Automatic evacuation to next landing</td>
<td>●</td>
</tr>
<tr>
<td>Automatic evacuation to any landing</td>
<td>●</td>
</tr>
<tr>
<td>Two-three-way intercom</td>
<td>●</td>
</tr>
<tr>
<td>Safety gear on countertop</td>
<td>●</td>
</tr>
<tr>
<td>Water pit sensor</td>
<td>●</td>
</tr>
<tr>
<td>Halogen-free shaft wiring (except for the motor and travelling cable)</td>
<td>●</td>
</tr>
<tr>
<td>Doors fire rating E60</td>
<td>●</td>
</tr>
<tr>
<td>Doors fire rating E120/50 (EN 81-50)</td>
<td>●</td>
</tr>
<tr>
<td>EN 81-30</td>
<td>●</td>
</tr>
<tr>
<td>EN 81-70</td>
<td>●</td>
</tr>
<tr>
<td>EN 81-77, Category 0/1, 2, 3</td>
<td>●</td>
</tr>
<tr>
<td>EN 81-73, Fire evacuation</td>
<td>●</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Design</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Predesigned cabins*</td>
<td>●</td>
</tr>
<tr>
<td>Aluminium handrail</td>
<td>●</td>
</tr>
<tr>
<td>Stainless steel handrail</td>
<td>●</td>
</tr>
<tr>
<td>Preparation for customer-supplied flooring &lt; 20 mm</td>
<td>●</td>
</tr>
<tr>
<td>Stainless steel COP/LOP</td>
<td>●</td>
</tr>
<tr>
<td>Glass façade for COP/LOP</td>
<td>●</td>
</tr>
<tr>
<td>TFT 3.5” display in COP, functions/direction</td>
<td>●</td>
</tr>
<tr>
<td>TFT 3.5” display in LOP, functions/direction</td>
<td>●</td>
</tr>
<tr>
<td>LOP, LIP and LDIP surface mounted on door frame or wall</td>
<td>●</td>
</tr>
<tr>
<td>Selectable controller cabinet position</td>
<td>●</td>
</tr>
</tbody>
</table>

● Optional product feature ● Standard product feature

* Find out about the different features in our predesigned cabins.

To discover the other options available for synergy 100, please contact your local thyssenkrupp Elevator sales representative. The details quoted in this sheet can only be viewed as binding when confirmed expressly in writing.

synergy 100 in-planner tool

Make the most of your building space and find the optimal dimensions for your new synergy 100 cabin. All you need is either the shaft or cabin measurements. For new installations, you can simply find the smallest possible shaft dimensions for a specific cabin size.

Success begins with a great plan.

• We support you from the first idea through to completed installation.
• Our highly experienced commercial team will advise you on the best mobility solutions to meet your requirements.
• Easy delivery and skilled installation.
Technical product scope.

Door options.

Shaft layout with side-opening door L2

Single entrance

Double entrance

Vertical section

Shaft layout with central opening door C2

Single entrance

Double entrance

Shaft planning layout.

System Cabin Door Shaft

Key:
- CW: car width
- CD: car depth
- CH: car height
- SW: shaft width
- SD: shaft depth
- SH: shaft head
- SP: shaft pit
- DW: door width
- DH: door height
- FFL: finished floor level
- UFL: unfinished floor level
- TH: travel height
- HST: min. height between floors

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Technical product scope.

Shaft planning layout.

Vertical section

Control system

Key:
- CW: car width
- CD: car depth
- CH: car height
- SW: shaft width
- SD: shaft depth
- SH: shaft head
- SP: shaft pit
- DW: door width
- DH: door height
- FFL: finished floor level
- UFL: unfinished floor level
- TH: travel height
- HST: min. height between floors

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Technical product scope.

Shaft planning layout.

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Technical product scope.

Shaft planning layout.

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Technical product scope.

Shaft planning layout.

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Technical product scope.

Shaft planning layout.

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels

Vertical section

Control system

Key:
- S: Single entrance, D: Double entrance, L2: Side-opening door with 2 panels, C2: Central-opening door with 2 panels
MAX - the game changer that keeps people moving.

Introducing MAX: the elevator industry’s first real-time, cloud-based predictive maintenance solution. Our smart, machine learning Internet of Things (IoT) solution dramatically increases elevator availability by reducing out-of-service situations through real-time diagnostics.

Our innovative partner.

Your service partner. Always there.

The simple, modular product structure keeps service and maintenance costs to a minimum. Proven system for reduced fault susceptibility.

We provide private, commercial and government customers alike with comprehensive maintenance and support services. Decades of experience in elevator technology means that you can rely on our expertise. We provide you with real-time tracking information about the status of your order (production time, delivery dates, etc.) and respond promptly to technical queries.

Our extremely efficient service is carried out by over 24,000 service technicians worldwide.

Here are some of the key features of our technical service offering:

• Professional, friendly and rapid service with regional service branches and personal contacts.
• Compliance with all applicable laws and regulations.
• Strong expertise of our service technicians, who are backed up by a global network of International Technical Service Centers providing them with training and support on all products and models, regardless of manufacturer.
• Tailored service packages for any product or model on the market.
• Fast trouble-shooting with online diagnostic tools and remote monitoring.

Data gathering  Precise diagnostics  Predictive intervention

MAX is only available in selected markets. Consult your thyssenkrupp Elevator sales representative for further information.

About us.