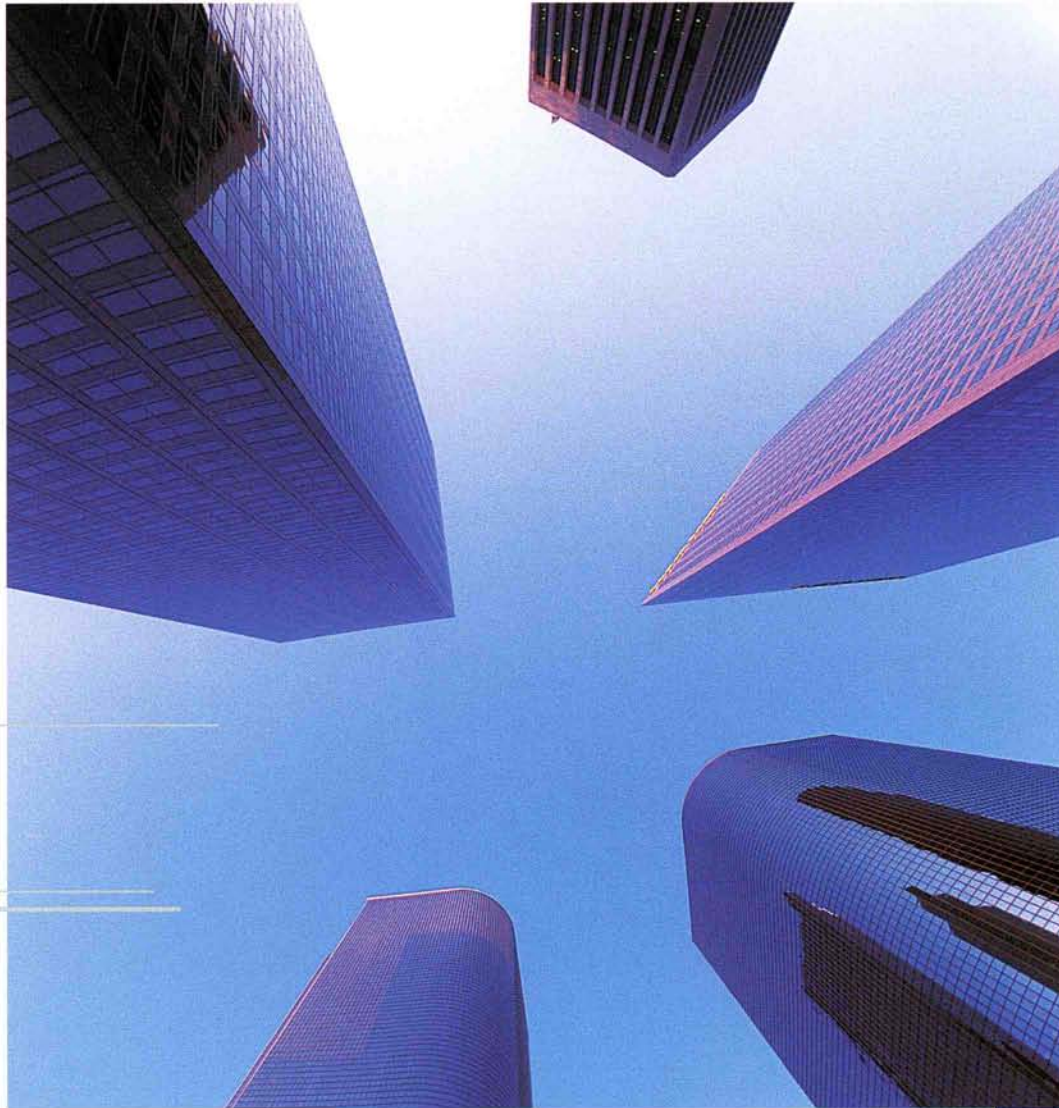


Two elevator cabs have always
meant two shafts. Until now.

TWIN —

A singular revolution in elevator design.



ThyssenKrupp Elevator

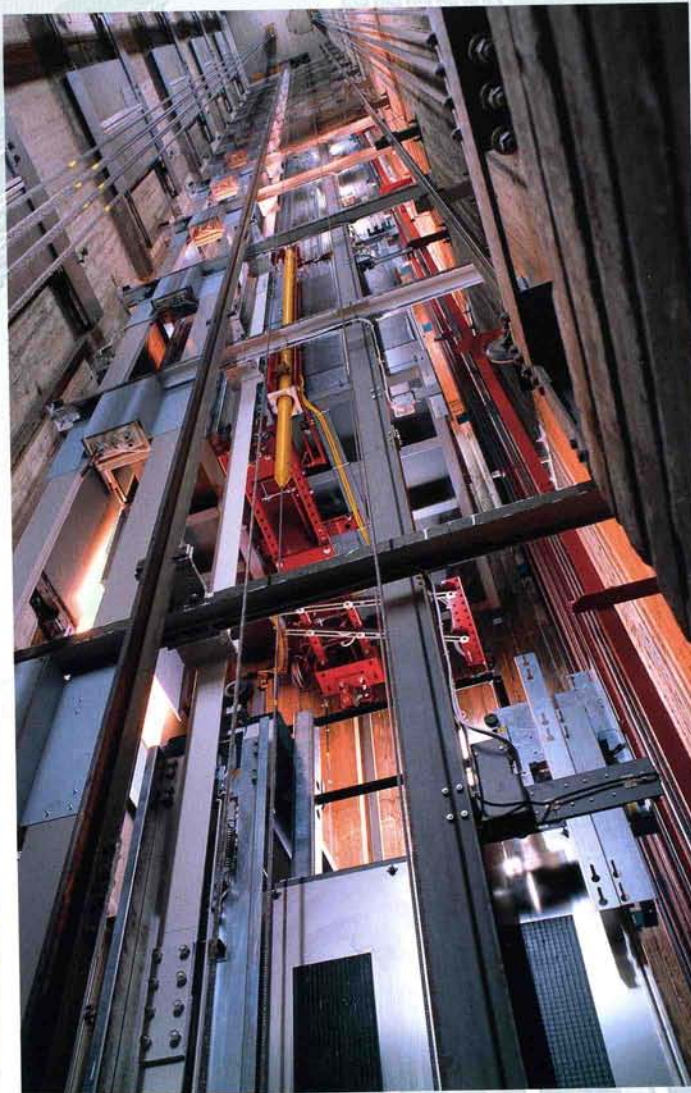
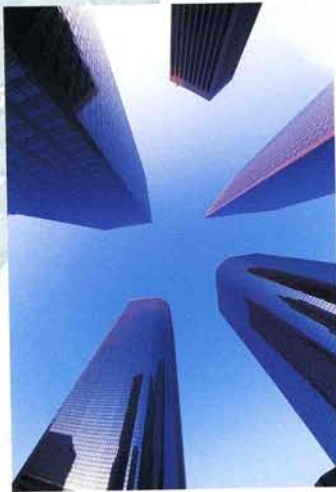


ThyssenKrupp

One plus one equals TWIN.

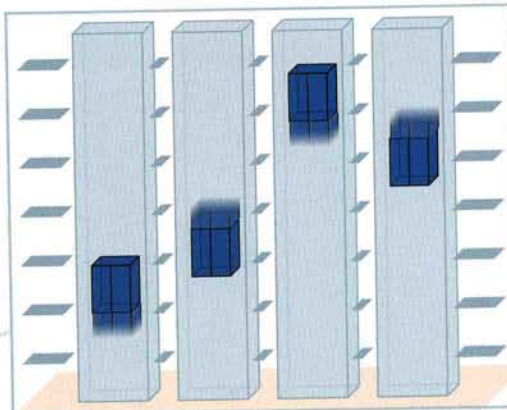
Presenting TWIN from ThyssenKrupp Elevator.

The world's first
elevator system capable
of operating two cabs
independently in a
single shaft.

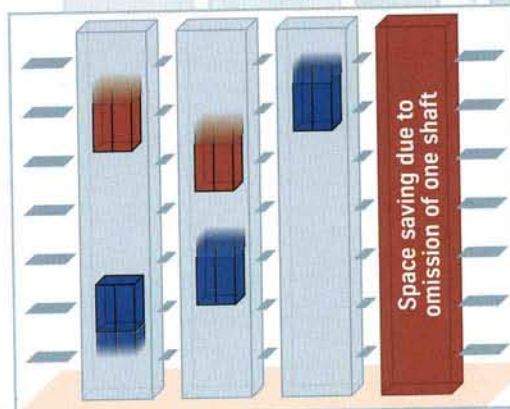


*TWIN was first
installed and
operated at
Stuttgart University
in Germany.*

Traditional shaft layout

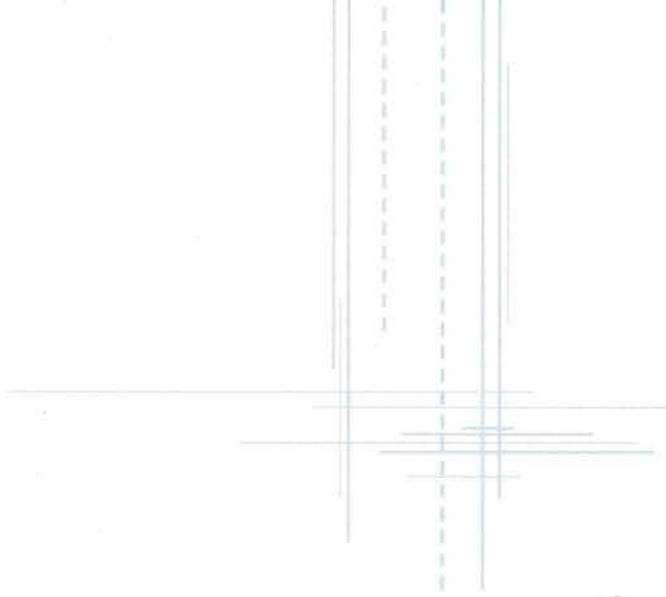


TWIN shaft layout



Fewer shafts. More space.

The diagram to the left shows a traditional system with four elevators and four shafts. On the right, you see that with TWIN, you can actually have more elevators with fewer shafts, so you gain space without losing capacity.



Save Space.
Increase Capacity.
Compromise Nothing.

An idea 70 years ahead of its time.

1931

In the Thirties, patents for elevator systems using two cabs in the same shaft were registered, but the limits of technology kept the dream from becoming reality.

2003

Thanks to revolutions in engineering, a highly advanced control system was developed that allows two cars to operate safely and reliably within the very same shaft. TWIN is born.

Great things always come in twos.

Technology meets innovation.

Because TWIN
frees up space,
it also frees up your
building's design.

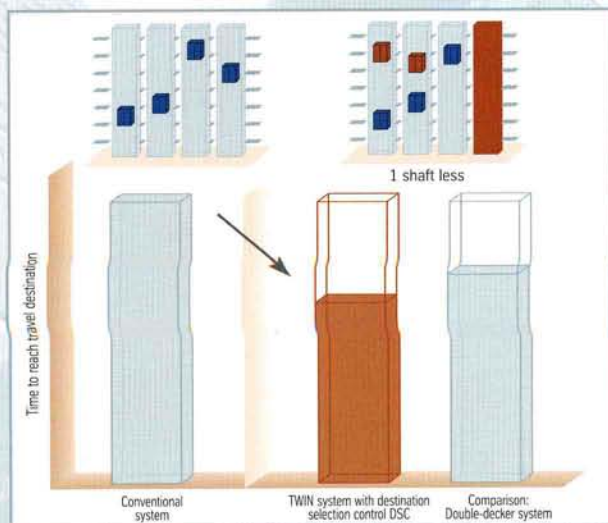


Modernization made easy.
No other technology can help
increase capacity as simply
and efficiently as TWIN.
TWIN drive systems

TWIN benefits for new installations and modernizations.

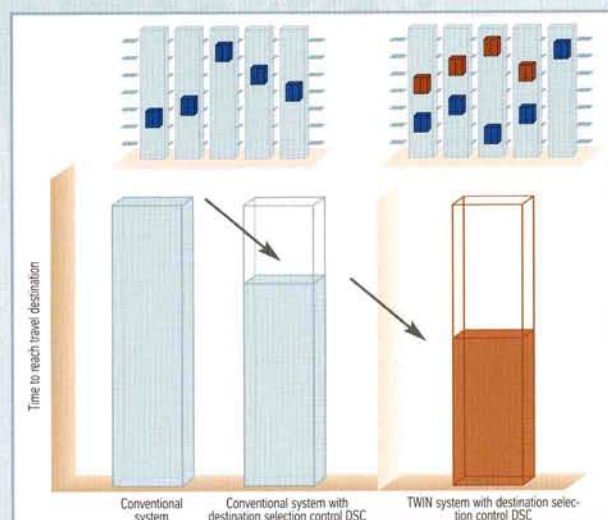
Installations

Eliminating an entire shaft
not only saves space, it saves
on construction and maintenance
costs as well. In fact, the only
thing it doesn't reduce is
capacity. Or keep all the shafts
for a level of capacity not
possible until now.



Modernizations

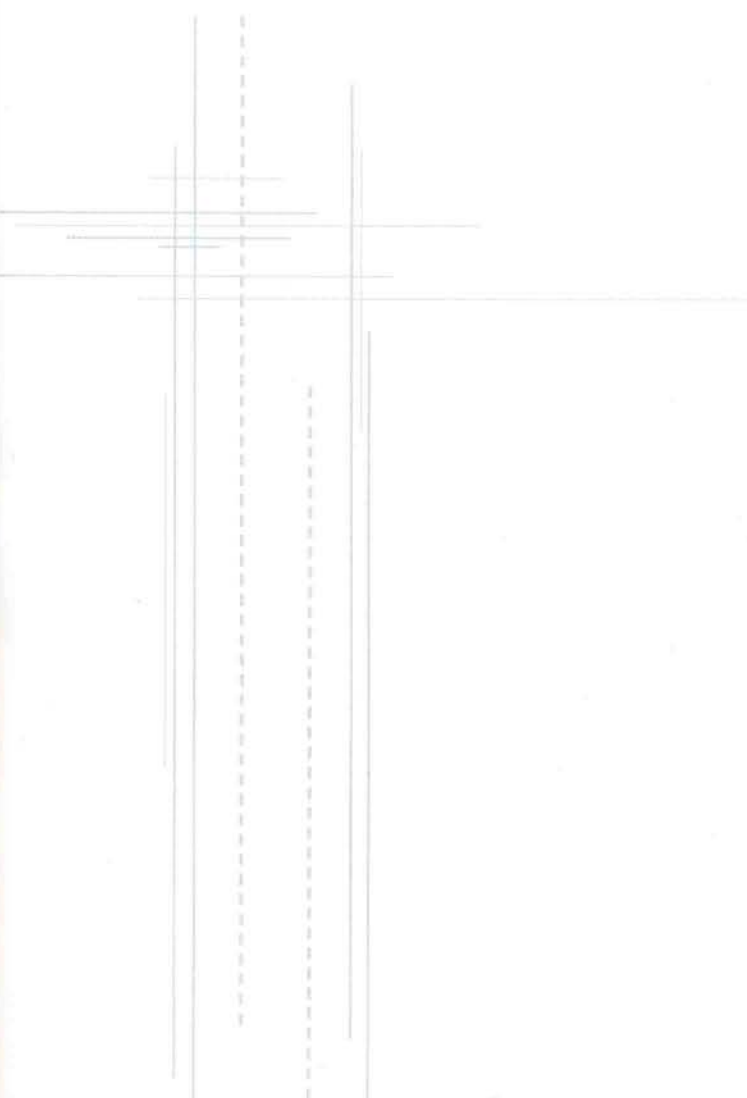
Need more capacity in an
existing building? TWIN is
your answer, with a complete
range of applications for
modernization projects.



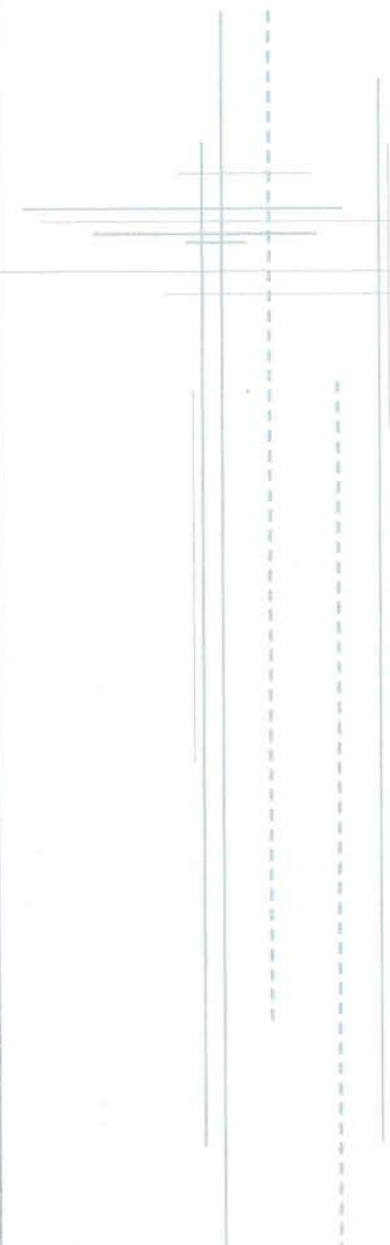
How TWIN works.

The two elevators are equipped with their own traction drives, and travel one above the other on the same rails. At the heart of TWIN lies an intelligent destination selection control, which provides flawless coordination of the entire elevator group. Passenger destination and the direction of travel are both recorded at the start of each call, and the destination control assigns the most suitable elevator to the call location.

TWIN provides entirely new solutions for the design of your building and the layout of elevator groups, making whole new concepts in traffic flow possible.



ThyssenKrupp Elevator's unmatched engineering capabilities make it possible to find new answers to old questions.



Two cabs instead of one can now travel independently, and safely, in a single shaft.

Two cabs, and a four-level approach to safety.

Approaching safety from all directions.

1. Target calls are distributed in a balanced manner to ensure cabs never hinder each other and always maintain minimum distances.
2. As cars approach each other, speed is reduced so that operational stops are possible at all times without exceeding minimum distances.
3. When another safety clearance is exceeded, the drives are stopped and the operating brakes activated.
4. In the unlikely event that other preventative safety measures are insufficient, the elevator safeties on both cars are activated and an Emergency Stop is implemented.

TWIN passed every comprehensive safety test as part of its development.

Getting more with less.

Two cabs operating independently within the same shaft, allowing building owners to actually save space and increase capacity. For over 70 years, it was just a dream.



With TWIN,
ThyssenKrupp Elevator
has turned it into
a reality.



ThyssenKrupp Elevator's destination control unit.
Passengers enter their destinations before ever
stepping into the cab and the control assigns the
call to the appropriate elevator.



ThyssenKrupp Elevator Monitoring.
All the information you need to evaluate
traffic performance and control a wide range
of elevator functions.



All illustrations and specifications are based on information in effect at the time of publication approval. ThyssenKrupp Elevator reserves the right to change specifications or design and to discontinue items without prior notice or obligation.

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ThyssenKrupp Elevator
P.O. Box 2177
Memphis, TN 38101
Tel: (877) 230-0303 (Toll Free)
Fax: (972) 963-5221

thyssenkruppelevator.com