

Freedom Unlimited Orinoco moving walkways.

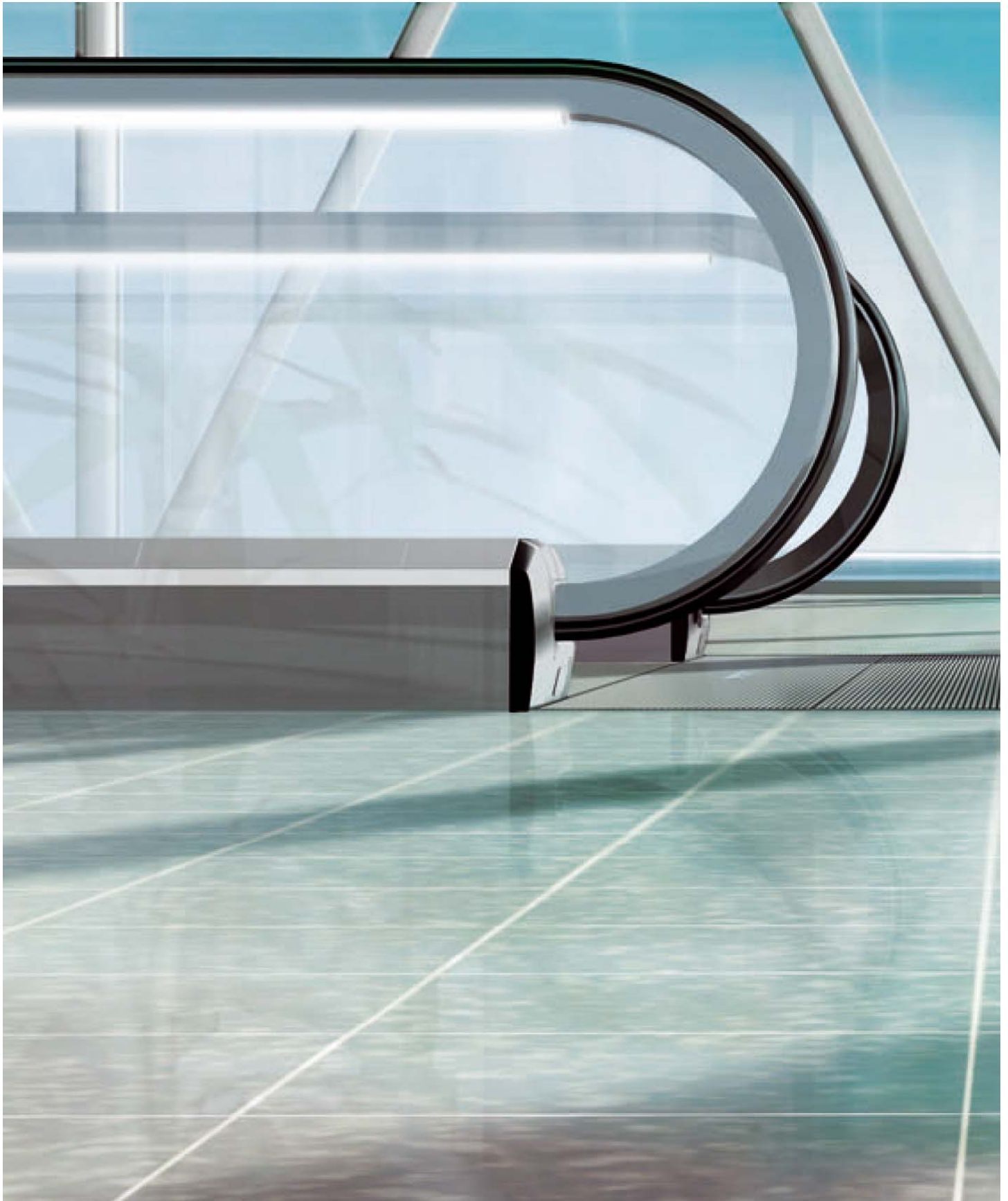


ThyssenKrupp

**The Orinoco shows
the way – ahead!**

WELCOME FUTURE

Global thinking requires global action. Direct routes are in demand, the fast track and endless options. Orinoco moving walkways fit the bill as a means of transport linking to the future – at airports, exhibition sites, in shopping and entertainment centers and all places where visions become reality.



Orinoco Base.
The entry level for those moving on.

orinoco base

The Orinoco Base is your reliable travel companion.



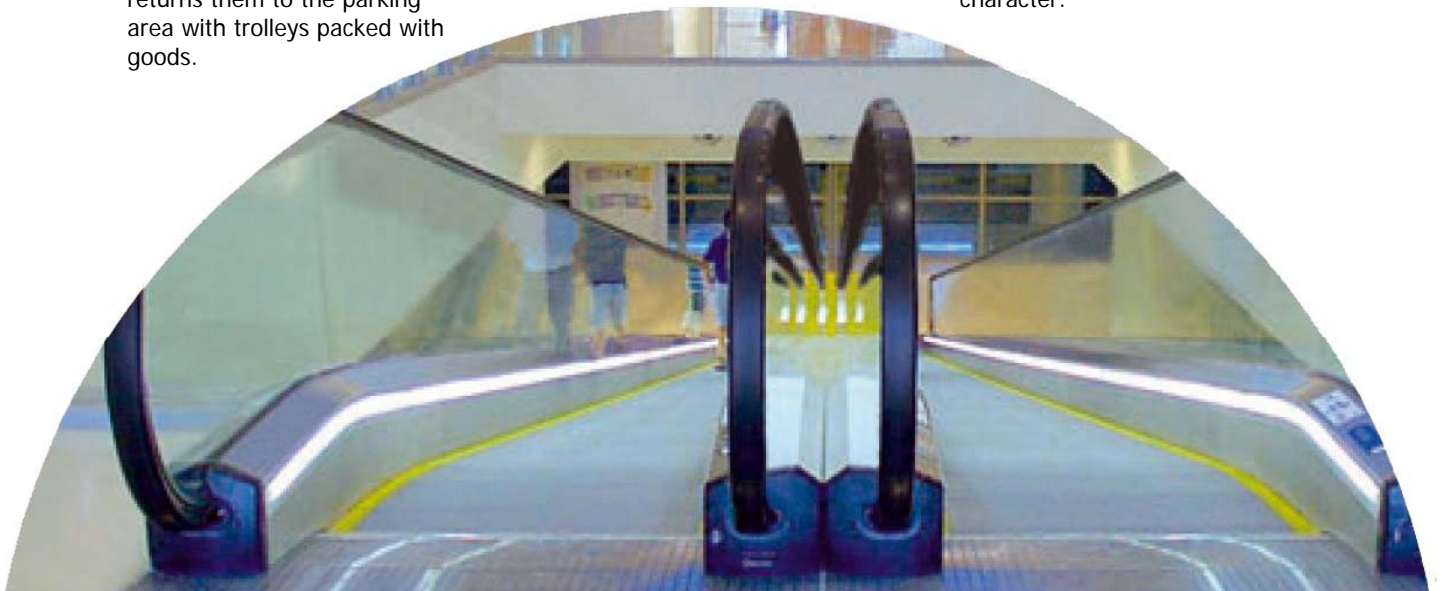
When striding forward what you want most is a partner you can rely on. The Orinoco Base is the standard version of the Orinoco moving walkway, ideally suited to manage pedestrian flows in buildings and make upper levels more attractive. It allows customers convenient access to shopping areas and returns them to the parking area with trolleys packed with goods.

Functionally fundamental

Sophisticated technology in the Orinoco Base meets simple operability and highest availability. A maximum of safety almost goes without saying.

Distinguished by design

Good looks make the difference. The choice is in your hands – from stainless steel outer cladding to skirt band lighting. The Orinoco Base blends harmoniously into your general building landscape, yet still retains its own individual character.



Orinoco Xtra.
Discover the possibilities.

orinoco xtra

An exclusive system offering perspectives.



What can be conceived can also be realised. No matter where you intend using moving walkways, you will always get where you want to go with the Orinoco Xtra. Suitable for indoor and outdoor operation, it is an investment in the right direction whether for business complexes or public service facilities.



Attractive prospects

The Orinoco Xtra is a moving walkway without constraints. It can be used to bridge long or short distances, plan accelerated horizontal links or even connect different levels. The appropriate version can be found to meet all your requirements.

Appealing insights

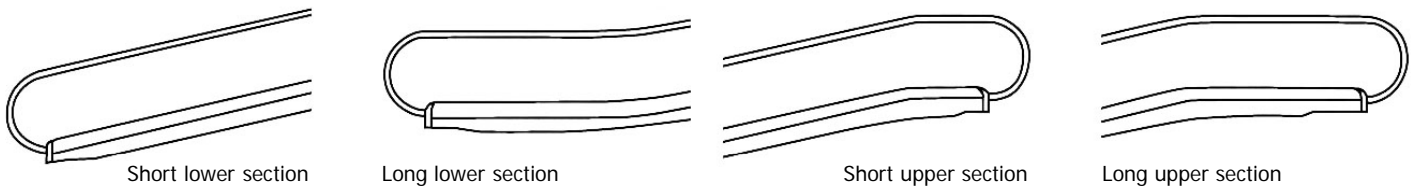
The inside of the Orinoco Xtra accommodates what the outside promises. Innovative technology and the highest safety standards offer optimal ride comfort.

Alluring qualities

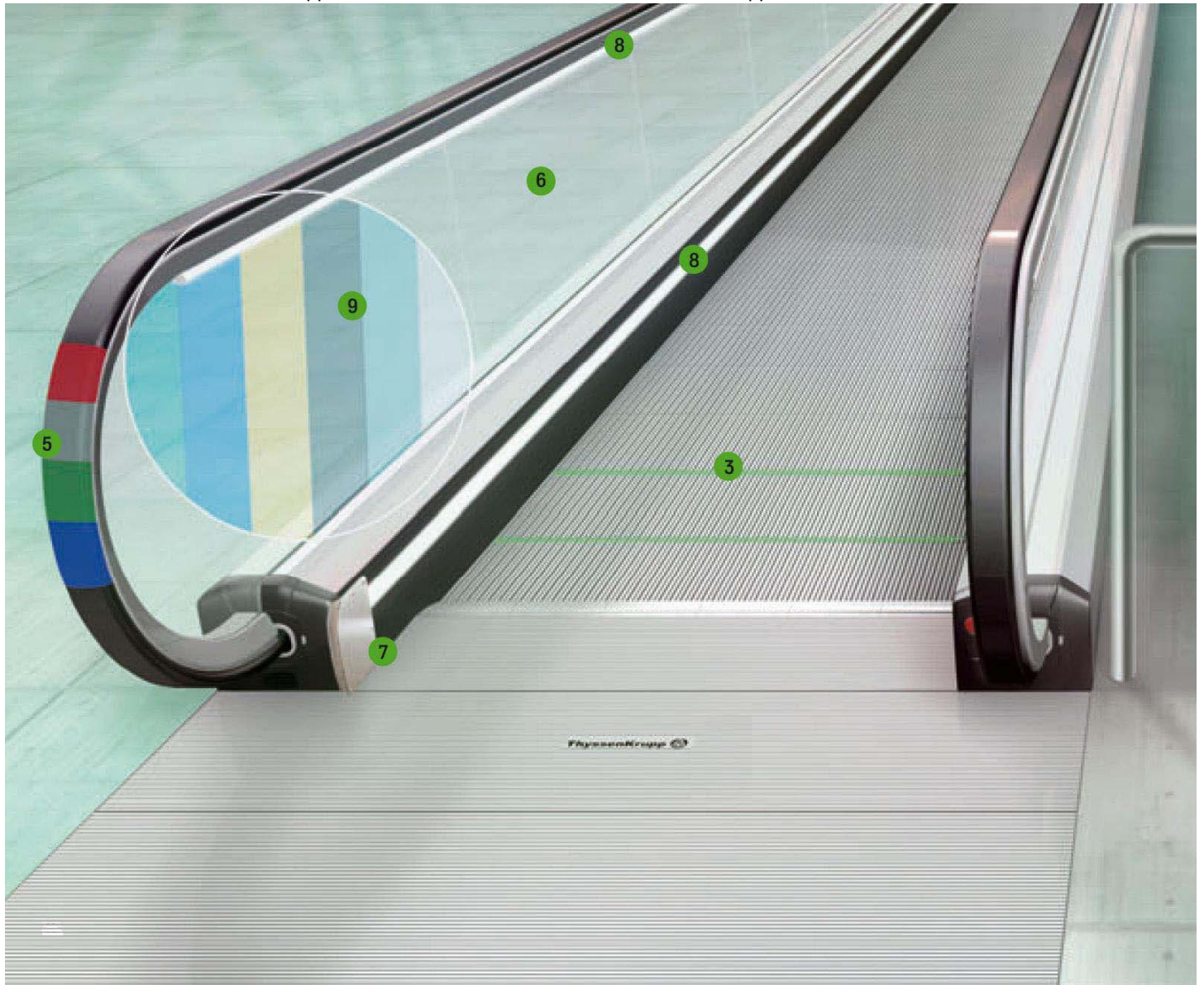
Variety is one of our strengths. The equipment range for the Orinoco Xtra enables you to make a personal gesture with every conveyor.

Standing up to the elements in outdoor operation.

In step with style.



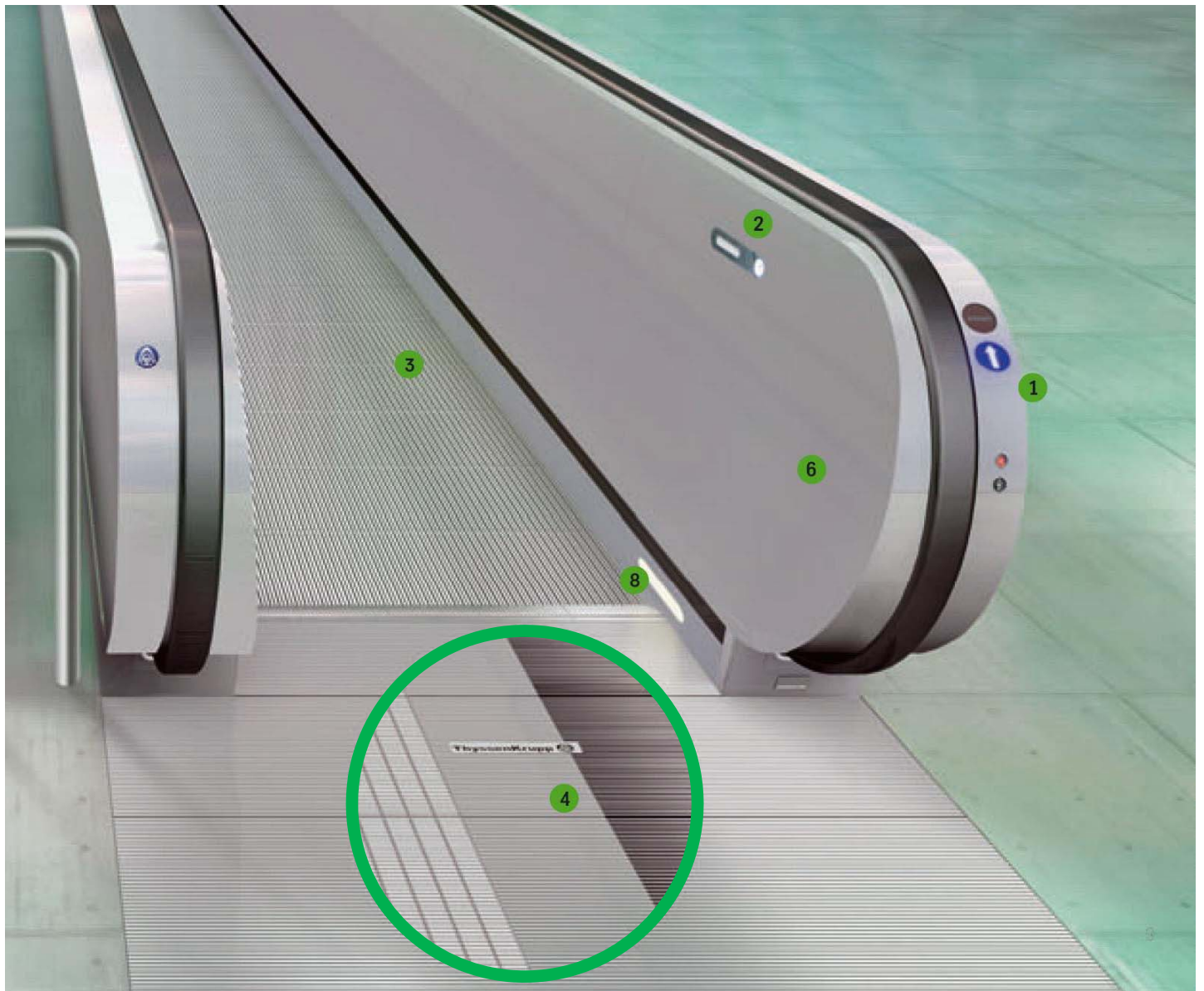
The Orinoco Base has short upper and lower sections. In the Orinoco Xtra the upper and lower sections can be combined.



1. The light signal shows the direction of travel: as column, or integrated in the skirt or newel.
2. The multilingual diagnosis display for more information and better overview.
3. Pallets in widths up to 1600 mm, optionally with pallet gap lighting.
4. The floor plates are made of aluminum or stainless steel and are offered in various designs.
5. Select the handrail color to match your design concept.
6. Choose between the two glass balustrades or a metal balustrade.
7. Reinforcement in the front skirt for added protection when used with shopping carts.
8. Numerous lighting systems illuminate the whole walkway or provide special segmental light accents.
9. Choose your personal glass option: from ultraclear to bronze.

In step with style.

The Orinoco not only traverses distances, it opens horizons. You have innumerable design options at your disposal to customise your individual moving walkway. There's only one thing definite from the start – the Orinoco leaves nothing to be desired.



Light in the dark

Numerous lighting variants put the Orinoco in a good light, attracting attention and turning heads to your moving walkway.

The simple process

Form follows function follows purpose. You decide on the visual details, we engineer it all together.

Long or short

The Orinoco is always in form for you and adapts to your construction project. With inclined conveyors you even have the choice between different upper and lower sections. Rule: the longer the upper or lower sections, the gentler the transition between pallets and landing area.

The Orinoco contains all our know-how. Plus our heart and soul.

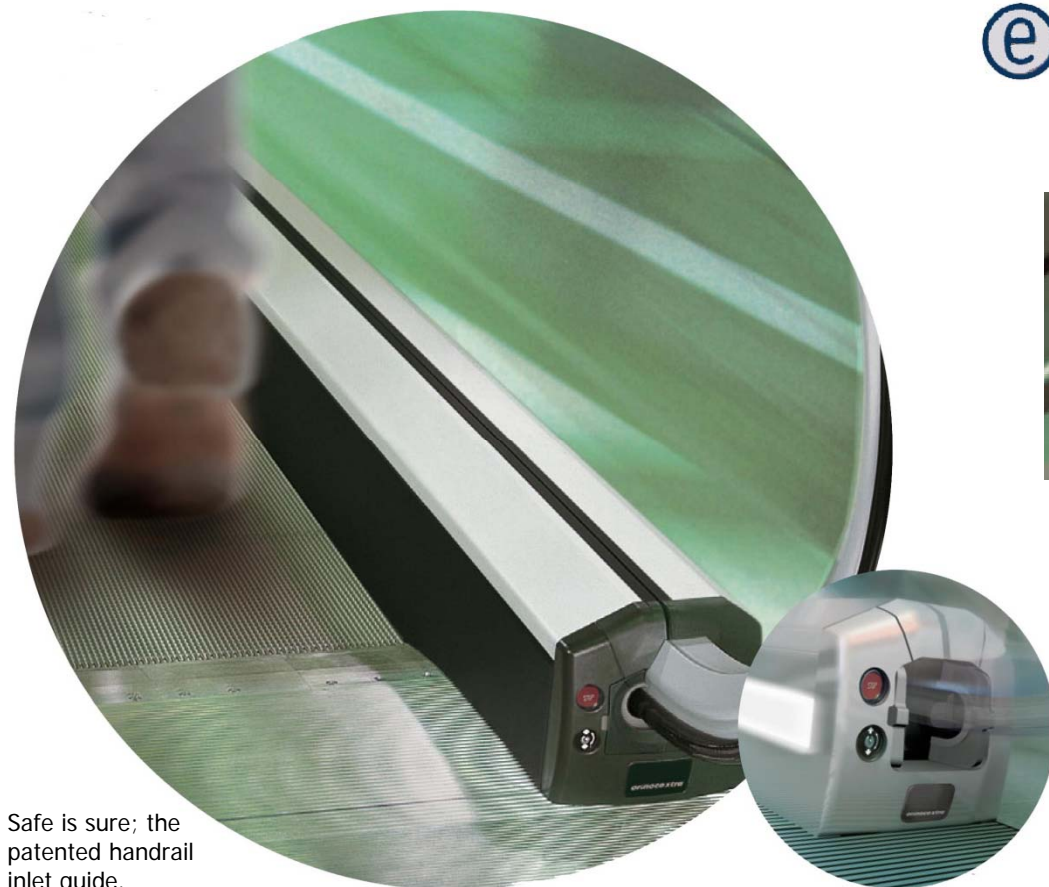
Pioneering technologies, safety features, new developments and experience – the perfect interplay of all components makes an ordinary moving walkway into an Orinoco. Our engineers pay attention to every detail to ensure the Orinoco is always fit for the future.

- conveyor

ThyssenKrupp is
inventor of the Internet
moving walkway.



The optional remote
control offers more
comfort and convenience.



Safe is sure; the
patented handrail
inlet guide.

Increased safety

Passenger safety without compromise. The patented handrail inlet guide opens automatically, the dual circuit brakes react immediately – irrespective of travel direction.

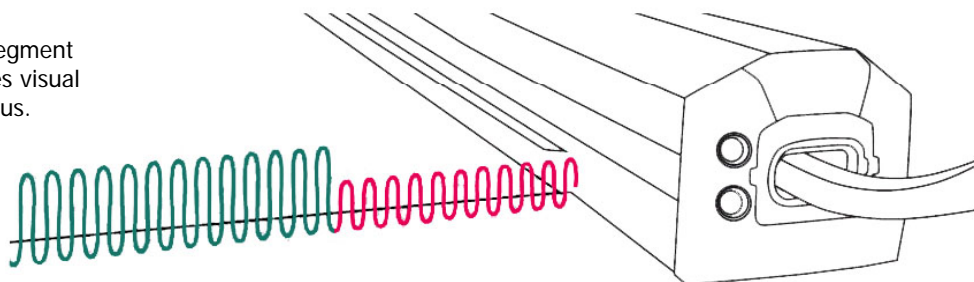
Control is better

Our new bus system enables you to monitor and analyse all conveyors via Internet round the clock and from anywhere in the world.

Direct access

Operating the Orinoco is quick and easy, also by remote control. And the multilingual display gives you even more information.

Acoustic comb segment
monitoring makes visual
checks superfluous.



We've not saved on economy.

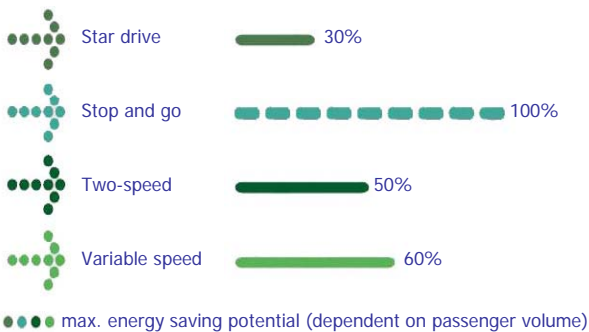
Long life, high availability and cost efficiency are three good arguments in favour of the Orinoco. In operation it pays its way every day. And its composure will rub off on you when you witness the Orinoco perform in daily operation.



The ETA-Drive combines bevel gear and spur gears.



The four energy saving systems at a glance.



Lower costs

Energy saving made easy. Depending on passenger volume, you can choose from four different energy saving systems. A further reduction in operating costs can be achieved using the eco-chain with lifetime lubrication, which at the same time protects the environment.

More efficiency

The ETA-Drive achieves a higher degree of working efficiency, as well as being particularly quiet. Different pallet widths guarantee a balanced relationship between space requirements and performance.

Star drive

The two stage system with constant speed starts and idles in economical star mode and switches to delta mode under load.

Stop and go

The Orinoco stops when no load is present. When the light barrier is triggered the conveyor starts before the passenger sets foot on the pallet.

Two speed

The reverse pole motor works with two fixed speeds – idling speed at no load and nominal speed at full load.

Variable speed

On higher loads the frequency converter accelerates gently from idling speed to nominal speed.

**No distance is too far.
The Orinoco in operation.**

**Samsung Everland,
Seoul/South Korea**

Visitors to this tourist attraction are transported through various theme areas in one of the world's biggest leisure parks on four all-weather Orinoco Xtra.

**Chengdu Airport/
China**

Chengdu in Sichuan Province has expanded its busy airport and now offers passengers fast transfers on eight Orinoco Xtra and 17 Velino Xtra.

**Warsaw Airport,
Poland**

One of the most important traffic hubs in Central Europe, Warsaw's new airport has been fitted with 11 Orinoco Xtra and 17 Velino Xtra.

**MGM Residences,
Las Vegas/USA**

In the heart of Las Vegas Strip six Orinoco Xtra with a length of up to 46 meters link the MGM Residences to the world's biggest hotel, the MGM Grand Hotel, in which, apart from the casino, the show "Cirque du Soleil" fascinates visitors every day.

**Wankdorf Stadium,
Berne/Switzerland**

The new stadium, home to Swiss football team "BSC Young Boys", features four Orinoco Xtra and six Velino Xtra.

**Forum Wetzlar,
Germany**

The different levels in the modern shopping mall near Frankfurt are connected by four Orinoco Xtra and eight Velino Xtra.

**Maltepe Shopping Center,
Istanbul/Turkey**

Built in the 16 million inhabitant city of Istanbul, this large mall relies on six Orinoco Xtra to comfortably convey shoppers every day around the complex and its 100 stores.

B&Q/Taiwan

33 Orinoco Xtra have been installed in stores affiliated to the world's biggest wholesale and retail DIY chain.



Ten good reasons for escalators and moving walkways from ThyssenKrupp.



Economy

Large flows of people are efficiently guided through your building. Innovative **energy saving systems** and **long life-cycle** reduce operating costs even further.

Quality

High product quality through innovative technologies, precision **finishing** and premium materials reduces **wear and tear** and generates maximum **availability**.

Design

Modern design combined with quality **materials** and a wide range of **lighting systems** and **outer cladding** boosts the charisma of your building.

Service

Online analysis with error diagnosis, technical **support** or quick **replacement part provision** for older models too – we help you under all circumstances.

Safety

Intelligent **safety sensors** and **online monitoring** from control centre fulfill highest international standards and provide permanent management of your escalator systems.

Innovation

The unique **bus system** for the internet-moving walkway and countless international **patents** testify to our innovative status in design, safety and technology.

Individuality

Numerous color, material and finish variations allow **customised** solutions for adaptation to architecture or corporate identity.

Internationality

A dense global **sales** and **service network** puts us always close at hand. International production sites guarantee **short delivery schedules**.

Consulting competence

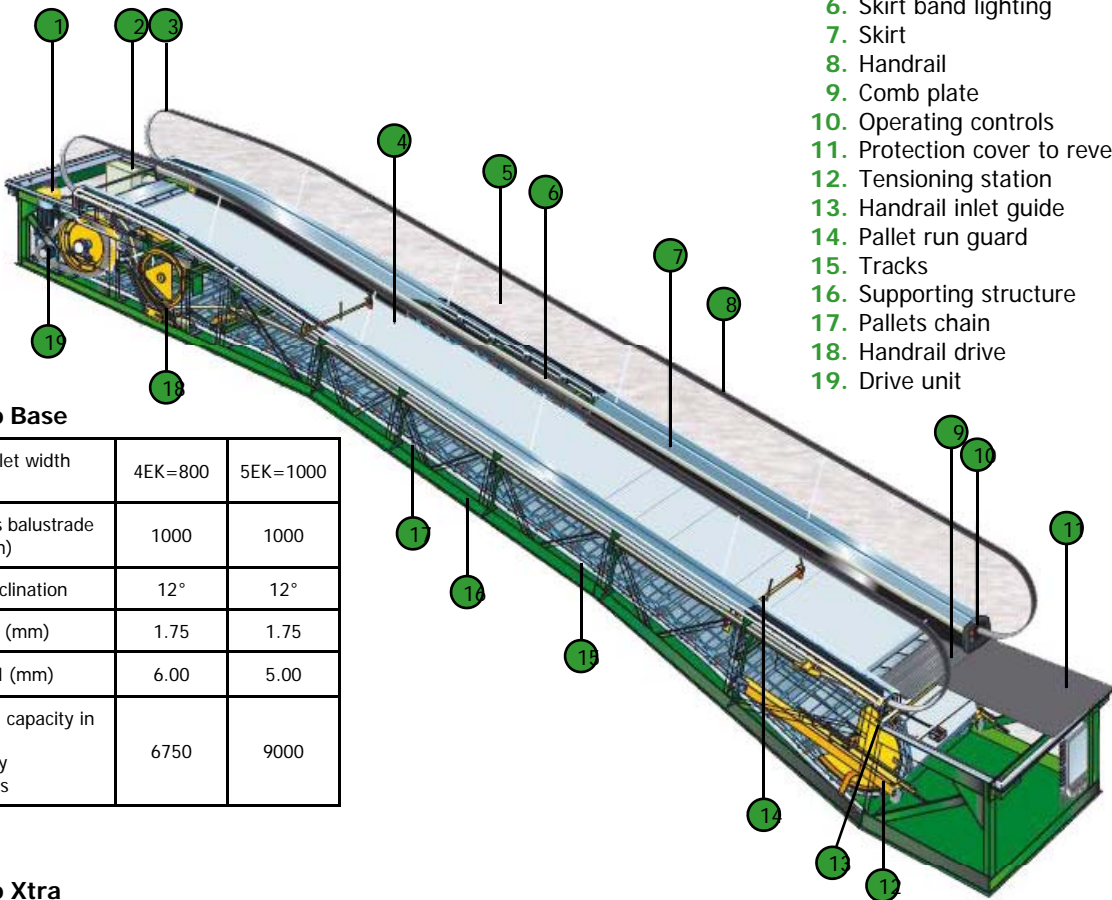
From **planning** to **assembly** to **service** – competent consulting partners are at your disposal on all issues at all times.

Experience

Your **specialists** for escalators and moving walkways with decades of experience in development, production and assembly, with over 60,000 installed systems **worldwide**.

Numbers, Data and Facts.

- 1. Speed monitoring
- 2. Controller
- 3. Newel
- 4. Pallet
- 5. Balustrade
- 6. Skirt band lighting
- 7. Skirt
- 8. Handrail
- 9. Comb plate
- 10. Operating controls
- 11. Protection cover to reversing station
- 12. Tensioning station
- 13. Handrail inlet guide
- 14. Pallet run guard
- 15. Tracks
- 16. Supporting structure
- 17. Pallets chain
- 18. Handrail drive
- 19. Drive unit



Orinoco Base

Normal pallet width (mm)	4EK=800	5EK=1000
Continuous balustrade height (mm)	1000	1000
Angle of inclination	12°	12°
Min. rise H (mm)	1.75	1.75
Max. rise H (mm)	6.00	5.00
Theoretical capacity in pers./h v = velocity v = 0.5 m/s	6750	9000

Orinoco Xtra

Normal pallet width (mm)	4 EK=800			5 EK=1000			6EK=1200	7 EK=1400	8 EK=1600
Continuous balustrade height (mm)	1000	1000	1000	1000	1000	1000	1000	1000	1000
Angle of inclination	0°	10°	12°	0°	10°	12°	0°	0°	0°
Max. length L (m)	200	*	*	175	*	*	150	130	115
Min. rise H (mm)	*	9	9	*	8	8	*	*	*
Theoretical capacity in pers./h v = velocity v = 0.5 m/s	6750 8775			9000 11700			11250 14625	13500 17550	15750 20475

