eestairs

NextGen™ Office Stair System

reddot design award

REGISTERED MODEL
PATENT PENDING
REGISTERED MODEL

NextGen™ by EeStairs

About EeStairs

EeStairs make feature stairs of exceptional beauty, precision and structural integrity in Europe, North America and Asia. We work closely with leading architects, interior designers, engineers and high-profile commercial and private clients to produce stairs of outstanding, form, material and technical quality.

EeStairs controls the entire design, manufacture and installation process. We collaborate in taking original concepts and developing them through an in-house detail design and engineering process. We fabricate the stairs according to ISO9001 and ISO14001 in our own BREEAM Outstanding accredited factory. We then install the stairs using our own highly experienced installation teams.

We are innovators. Our engineers and in-house software and materials specialists continue to develop sophisticated, and often unique, stair detailing systems. This to ensure that our clients' original designs and specifications will always produce stairs of superb architectural quality – and be a delight to use.

The culture of excellence at EeStairs is driven by a single intensely focused desire: to create Beauty Between Levels.

EeStairs HQ [NL]

What is NextGen?

NextGen™ is an award winning quick-fit modular staircase system that is virtually silent underfoot, which is a useful feature for offices. The grippy treads have integral sound-damping cores, and their sleek aerofoil profiles add something visually unique to the stylish design of the staircases.

NextGen™ stairs are installed rapidly and accurately. When the treads are attached to the stringers the connection is invisible. The design-to-delivery process is supported by an online configurator which immediately provides designers and contractors with staircase visualisations, detailed design, specification data, and budget.

Patent Pending & Registered Model

Quick-fit Modular Office Staircase System

NextGen’s Benefits

NextGen™ was initially designed for use in offices, which is why the stairs were independently strength-tested, and ISO-accredited in relation to their acoustic performance. However, NextGen™ is equally suitable for interiors such as storage facilities, and certain types of open plan retail, or various types of back-of-house spaces.

1 — Innovative design at good value

2 — Easy online configuration

3 — Instant pricing, BIM model, and lead time

4 — Streamlined design-to-delivery process

5 — Rapid and secure installation

Colours & Finishes

Colours & Finishes

NextGen™ stairs have set a new benchmark in the design of functional staircases. The stairs have extremely clean lines, with crisp minimalist detailing. EeStairs offers three colour options for the treads, and the stringers can be in any RAL colour – which makes the NextGen™ a genuine designer stair system.

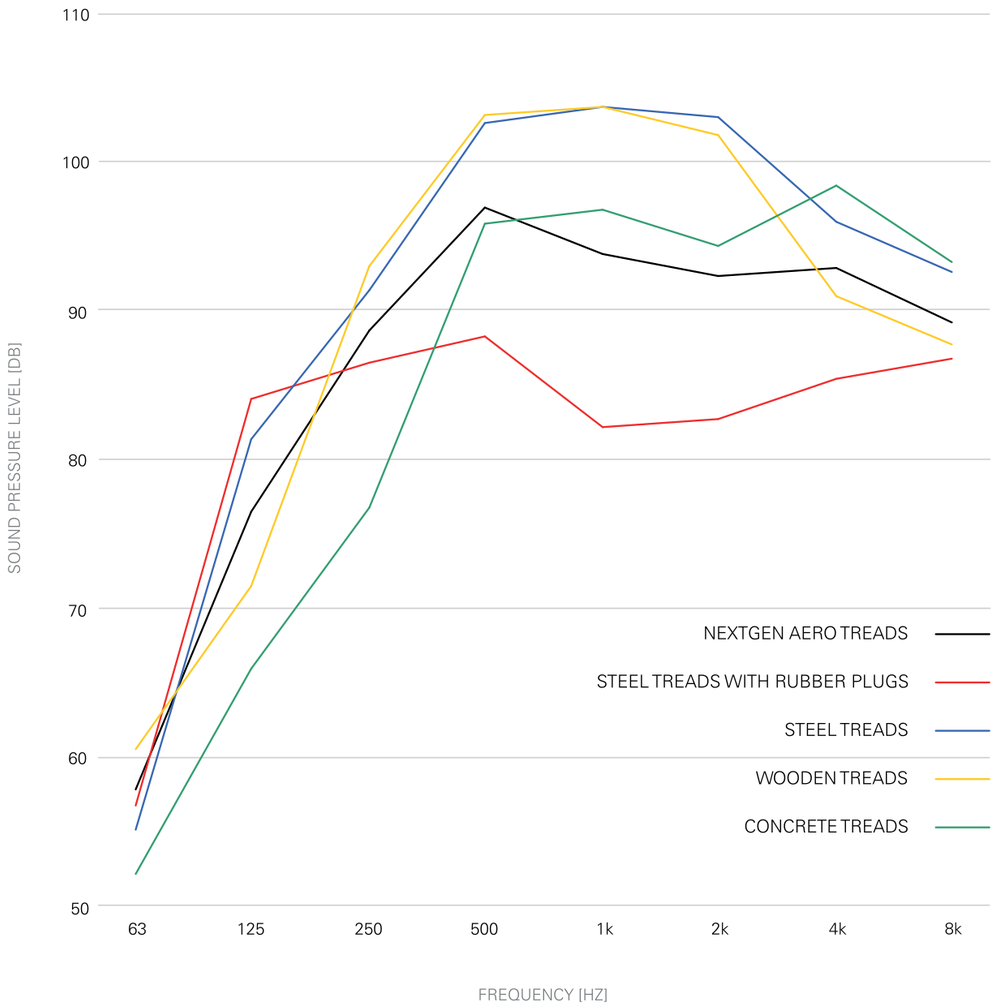
Handrails can be supplied in timber or stainless steel, and two types of glass for the balustrades – which are float glass and extra clear glass. The anodised aluminium treads are supplied with a ribbed anti-slip top surface as standard, there is also an option to specify timber tread finishes.

Another option concerns the stringers, which can be fitted with LED strips if required.


Silent Stairs

Silent Stair Acoustics

The acoustic performance of the NextGen™ stair treads was tested by Peutz. NextGen™ was found to be quieter underfoot than standard steel stairs, and acoustically comparable to wooden treads.



NextGen™ by EeStairs

Configuring & Fitting

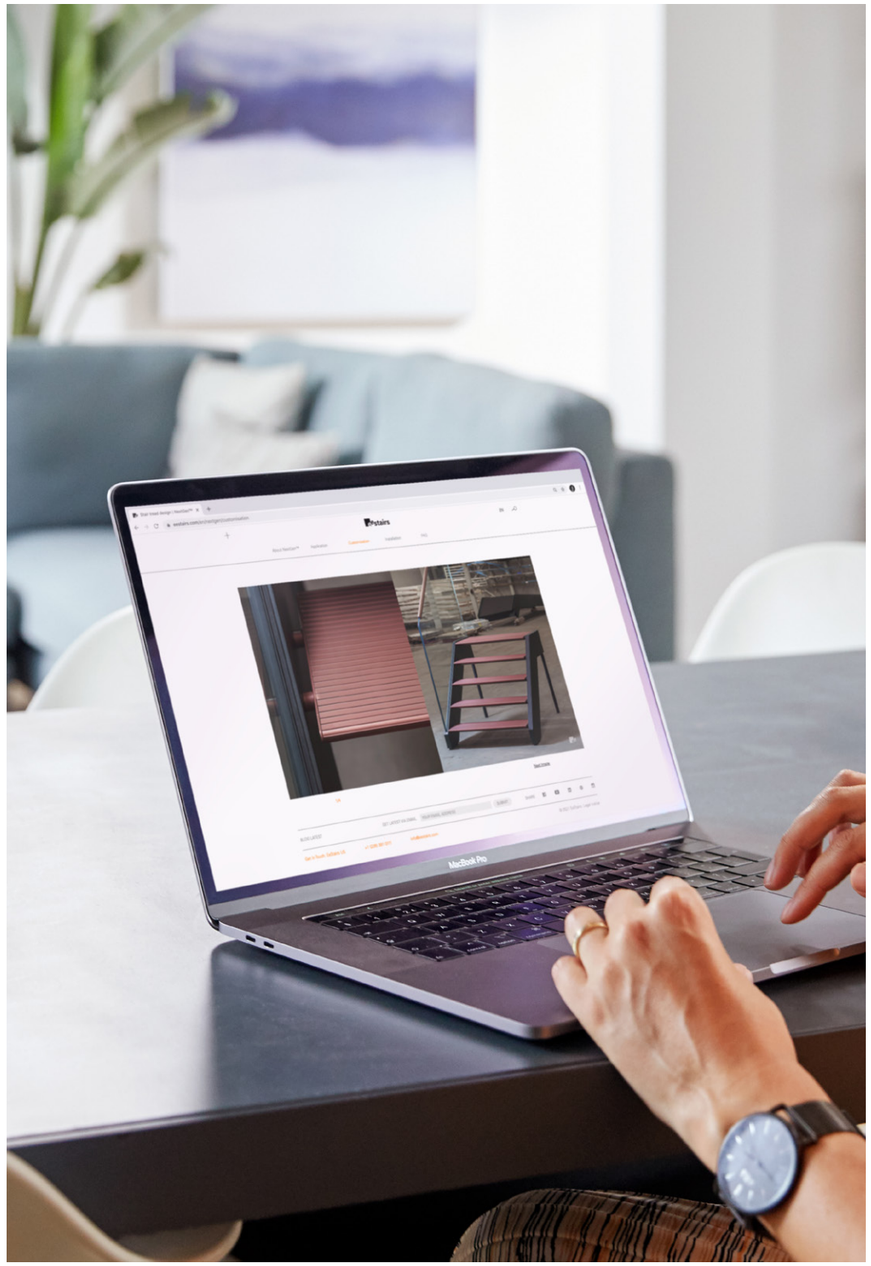
Configuring

Contractors, designers and other professional specifiers can configure and cost NextGen™ stairs using EeStairs' online configurator. The process is logical, straightforward, and can be completed in a few minutes.

The first step in the configuration is to enter the plan and sectional dimensions of the stairs, along with the heights of the floors that the stairs and landings will rise to. Other basic details will need to be entered, and these include the angle of the stairs, the vertical distance between the treads, how wide the treads are, and whether the stairs are in a straight run, or turn at a landing.

The NextGen™ online configurator also allows users to select colour and finish preferences.

Once these details have been entered, the online configurator will immediately send the enquirer a provisional cost for the NextGen™ stairs, detailed drawings, BIM model, and a delivery date for the stairs, which can be erected rapidly either by an EeStairs installation team, or a Contractor.




Meeting
rooms
Literature
Reception

Johan Talks NextGen™

EeStairs' Project and Design Engineer Johan Floor explains to architecture writer Jay Merrick how the NextGen™ stairs were designed and developed.

JM — What was the basic idea behind NextGen™?

JF — Most functional staircases, whether made of metal or wood, are not exactly beautiful. We wanted to design a really durable functional staircase that looked like a designer staircase, and was also lightweight and almost silent underfoot.

JM — Was the decision to use low carbon aluminium technically challenging?

JF — Yes, in three ways. First, we had to design the section of the tread so that it could contain acoustic-dampers. Second, the treads and the stringers had to be strong – and independent strength testing proved that they are. Third, we had to make sure that the extruded tread sections could actually be manufactured.

JM — Where did the aerofoil tread-section originate?

JF — We came across an aerofoil tread design years ago, but we wanted to improve it and make it stronger and safer, and use the cross-section of the tread to build in an excellent acoustic performance.

JM — Are there any other benefits specifiers should know about?

JF — We had to carry out detailed tests to make sure that the bolts connecting the treads to the stringers were really strong. And we also took great care to design the finely ribbed upper surface of the tread so that it would not be slippery, or show small scratches. The other point is that they were designed to be easily installed by contractors.

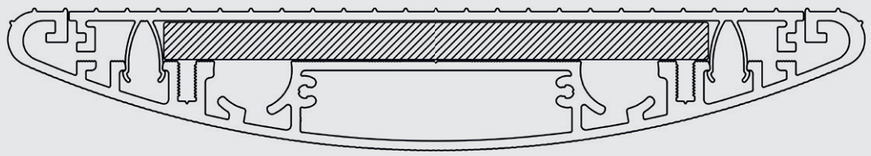
JM — And how long did the whole NextGen™ design, development, and testing process take?

JF — About a year. At EeStairs, we never rush innovation!

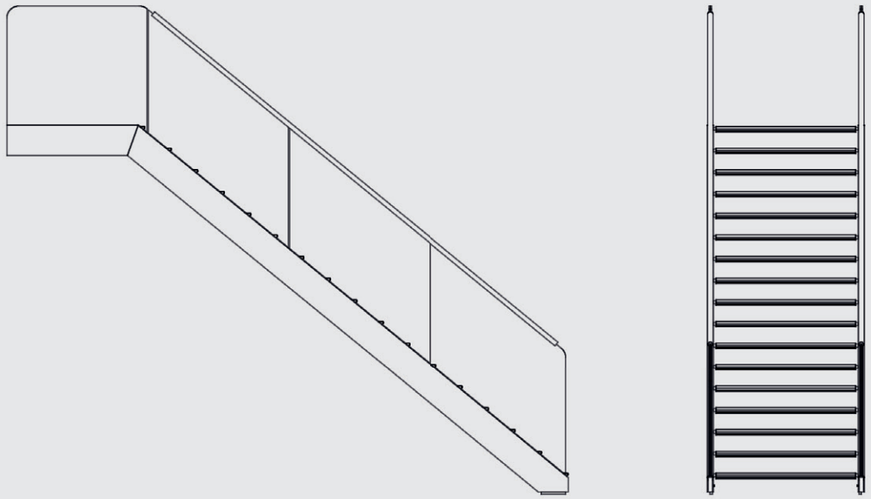
At EeStairs we never rush innovation

Specification

Stringers	Aluminium extrusion profile and optional LED lighting behind transluscent strips.
Treads	Aluminium extrusion profile with acoustic infill to reduce vibrations and foot contact noise. The treads have anti-slip top surfaces.
Balustrades	Staircase — Structural glazing using laminated, toughened, float or extra clear glass, fitted securely in a channel in the top edge of the stringer. Landing — Structural glazing with laminated, hardened, clear, or extra-clear glass, seated in a profiled aluminium extrusion similar to the profile in the stringers.
Materials	Treads — Aluminium Stringers — Aluminium Balustrades — Laminated, hardened, clear, or extra-clear glass Handrails — Sustainably sourced oak (FSC)
Finishes	Treads — Anodized aluminium, available in three colours. Stringers — The aluminium can be powdercoated in any RAL colour. Balustrades — The glass is polished. Handrails — Oiled oak, or satin finished stainless steel.



Treads — They are quiet underfoot, anti-slip, and the anodizing creates a hard, durable top surface. The treads can be up to 1200mm wide, and the large step depth (280mm) gives optimal walking comfort.



Stairs and balustrades — NextGen™ stairs and balustrades are suitable for offices, retail, schools, and residential use. If the stairs are to be regularly used by large groups of people or crowded situations, please contact EeStairs for a consultation.

Safety & Regulations

The NextGen steps have been tested by the independent engineering consultants, Nebest, for deformation and failure. The tested steps were progressively loaded to a maximum of 15.9kN (1590kg). Permanent deformation of the step occurs at approximately 10kN (1000kg) and confirms that NextGen stairs are very strong and safe.

Innovations & Products

1m2™

Cells™

EeSoffit™

groovEe™

NextGen™

EeCorda™

TransParancy™1-01

TransParancy™1-02

TransParancy™1-03

Headquarters, The Netherlands & Export	EeStairs Nederland bv +31 342 405700 nl@eestairs.com
USA & Canada	EeStairs America Inc. +1 (226) 381 0111 info@eestairs.com
United Kingdom	EeStairs UK Ltd +44 5603 750 720 uk@eestairs.com
Belgium	EeStairs BE +32 15 79 12 20 be@eestairs.com
France Monaco Suisse	EeStairs FR +33 4 69 12 60 80 fr@eestairs.com
Middle East	EeStairs ME +31 342 405700 me@eestairs.com
China	EeStairs CHN +86 135 8653 7314 chn@eestairs.com
Follow Online	@EeStairs EeStairs.com

V2-2023EN