

June 12th, 2025

"The Henderson" in Hong Kong -**Technical Challenges in Glass Design** achieving an architectural masterpiece

Kathrin Rauh, Structural Engineer

1 seele GmbH

- 2 "The Henderson" seele's Scope of Work
- 3 Technical Insights
- 4 Installation

Glass l Performance Days 2025

Who We Are

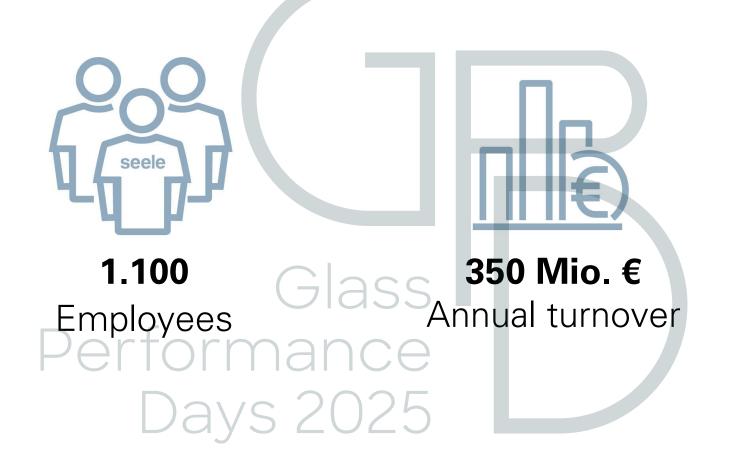


Founded in 1984 in Gersthofen/Germany, **seele** is a world leader in façade construction for ambitious architecture.

seele Worldwide

____ Middle East Asia North America Europe seele canada Inc. seele (UK) Ltd. seele hongkong Ltd. se-austria GmbH & Co. KG seele middle east FZE seele (S) PTE Ltd. seele, Inc. seele france SAS seele pilsen s.r.o seele middle east - Abu Dhabi se-project services (TH) Ltd. seele GmbH **Beteiligungs International Limited** se-project services (Malaysia) Sdn. Bhd. se cover GmbH India Branch Mumbai

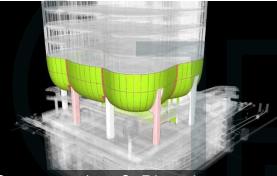
seele Corporate Key Figures



Range of Services

seele





Construction & Planning









- 1 seele GmbH
- 2 "The Henderson" seele's Scope of Work
- 3 Technical Insights
- 4 Installation

Glass | Performance Days 2025

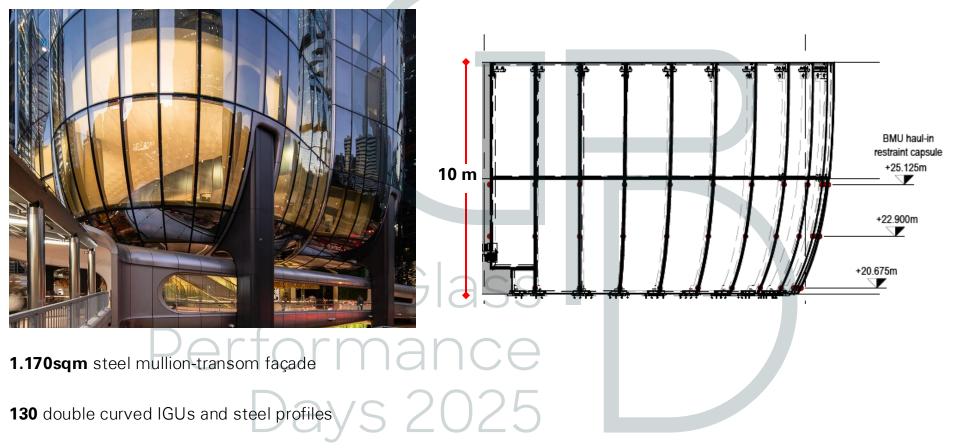


The Henderson



The Henderson – Podium

seele



The Henderson – Podium

seele



Days 2025



750sqm high gloss polished stainless steel cladding

©seele 11

The Henderson – Tower Top



883sqm

structural glass façade

double curved glass panes

glass roof beams

503sqm

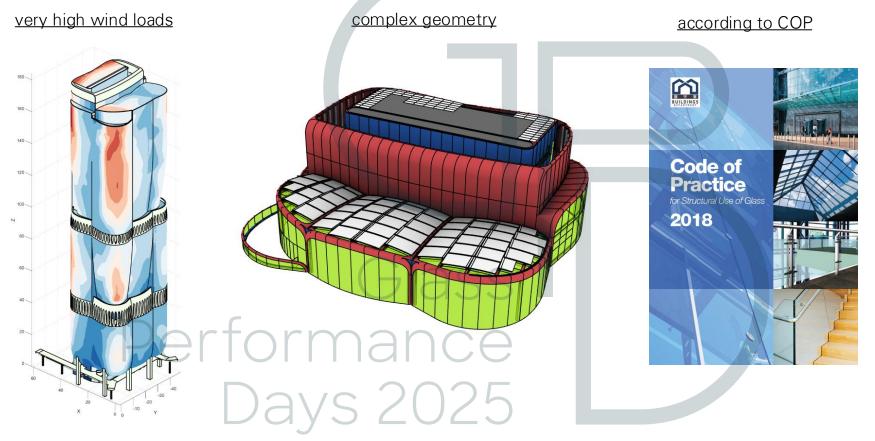
mirror polished sheet metal cladding

- 1 seele GmbH
- 2 "The Henderson" seele's Scope of Work
- 3 Technical Insights
- 4 Installation

Glass l Performance Days 2025

The Henderson – Structural Challenges

seele



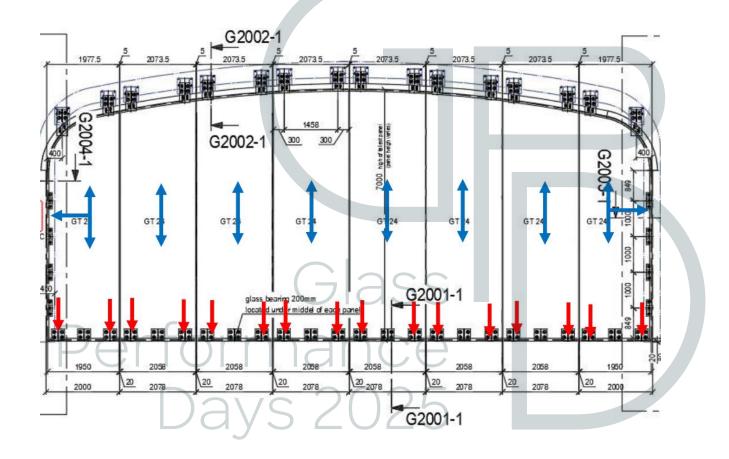
Banquet Hall – Overview Front Facade



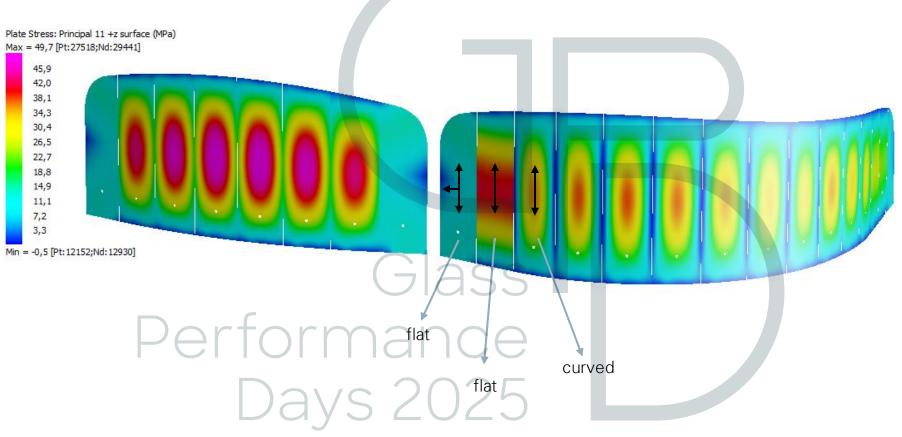


• 6.8 m x 2.1 m

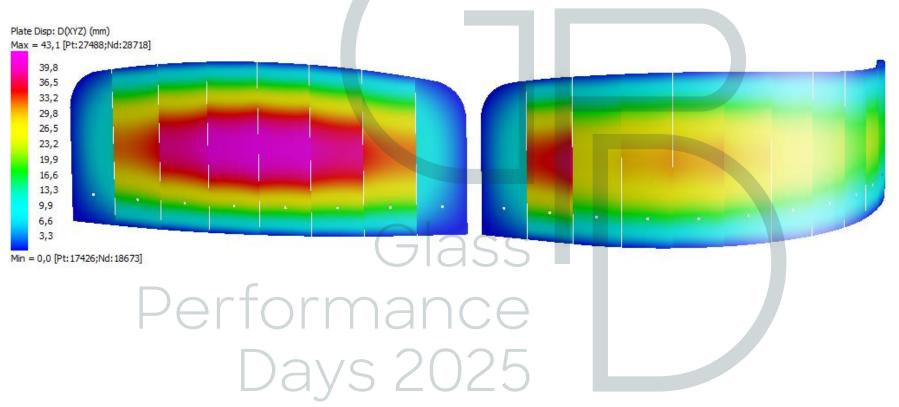
- curved and flat glazings
- glass built-up: 6 x 12 mm FT
- wind loads up to 4.6 kPa
- storey drift of +/- 20 mm
- vertical deflection of substructure



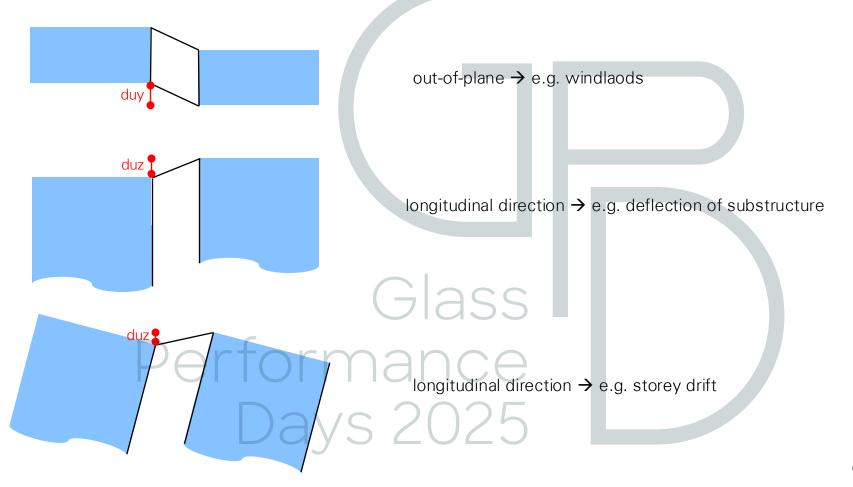
Banquet Hall – Glass Design



Banquet Hall – Displacement of Glazing



Banquet Hall – Silicone Joint



The Henderson – Dead Load Support of Glazing





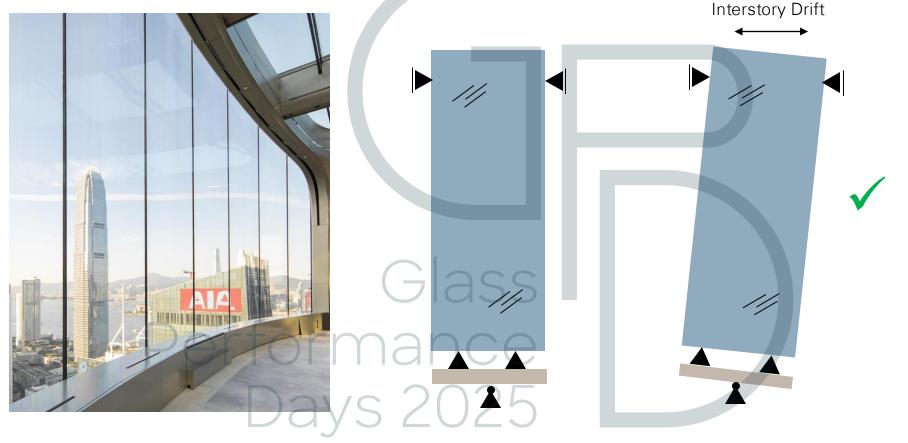
The Henderson – Dead Load Support of Glazing





The Henderson – Dead Load Support of Glazing





- 1 seele GmbH
- 2 "The Henderson" seele's Scope of Work
- 3 Technical Insights
- 4 Installation

Glass | Performance Days 2025

The Henderson – Installation

seele

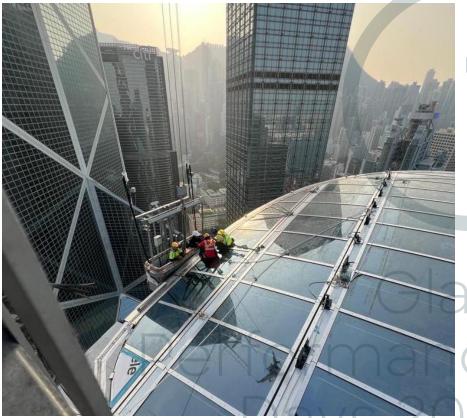


The Henderson – Installation



The Henderson – Installation

seele



Installation after tower crane was removed



the henderson

The Henderson – Architectural vision turned into reality



seele

