

Office

# Shimizu Corporation – Nagoya

ACOUSTIC DIVIDER VARIO – Flexible acoustic solution for modern working environments.



## Starting Point

The new Shimizu Corporation branch in Nagoya was designed as a «Communication HUB» – a place that connects people and promotes dialogue. The open atrium, the modern multi-display wall and flexible work areas characterise the architecture. A data-based management system was also integrated to optimise work processes. Particular attention was paid to the acoustic design, as both open communication areas and meeting rooms have different sound requirements.

## Solution

To ensure optimum acoustics, textile solutions with sound-absorbing and sound-insulating properties are used. The SILENT acoustic curtain creates targeted quiet zones that enable a focussed working atmosphere. In glass meeting rooms and conference areas, customised curtains ensure flexible adaptation to the respective requirements. They can be opened or closed as required to provide both acoustic and visual screening. CRAFT, NOLIN and NAXOS fabrics are used here, which provide both privacy and a pleasant lighting effect with varying degrees of transparency. For the atrium, where events with microphones also take place, a four-layer ACOUSTIC DIVIDER VARIO acoustic curtain system with ARNO acoustic fabric is integrated. This not only enables effective sound insulation, but also a flexible design, as the front and rear sides can be fitted with different fabrics. Specific simulations are used to analyse the reverberation time in order to create an optimum balance between openness and acoustic comfort. The

## Object

Shimizu Corporation, Nagoya, Japan  
[shimizu.co.jp](https://www.shimizu.co.jp)

## Concept

SHIMIZU CORPORATION; FIELD FOUR DESIGN  
OFFICE | Lighting M Inc.

## Photo

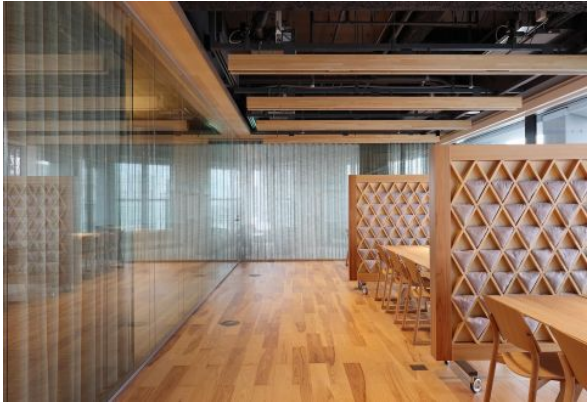
Kai Nakamura



result is a textile solution that combines functionality with design.

## [ACOUSTIC DIVIDER VARIO](#)

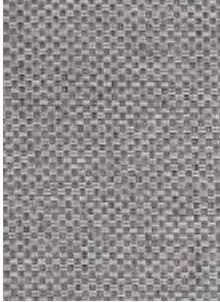






# Textiles Used

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## ARNO

**Article-Number:** 0101295

**Use:** Upholstery fabric for contract use

**Number of colors:** 34

**Material:** 100% Flame retardant (Trevira CS)

**Fabric width:** 140 cm/55 inch/1.53 yard

**Weight:** 381 g/m<sup>2</sup>

**Sound absorption:**  $\alpha_w$  0.90

**Abrasion resistance:** 40'000 Martindale

**Pilling:** 4-5

**Light fastness:** 4-5

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## SILENT

**Article-Number:** 0101695

**Use:** Dense curtain fabric

**Number of colors:** 12

**Material:** 100% Flame retardant (Trevira CS)

**Fabric width:** 300 cm/118 inch/3.28 yard

**Weight:** 320 g/m<sup>2</sup>

**Sound absorption:**  $\alpha_w$  0.80

**Light fastness:** 6-7

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## NOLIN

**Article-Number:** 0102220

**Use:** Transparent/semi-transparent curtain fabric

**Number of colors:** 16

**Material:** 100% Flame retardant (Trevira CS Eco)

**Fabric width:** 320 cm/126 inch/3.50 yard

**Weight:** 153 g/m<sup>2</sup>

**Light fastness:** 4-5

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## CRAFT

**Article-Number:** 0102225

**Use:** Transparent/semi-transparent curtain fabric

**Number of colors:** 11

**Material:** 100% Polyester

**Fabric width:** 290 cm/114 inch/3.17 yard

**Weight:** 205 g/m<sup>2</sup>

**Light fastness:** 5-6



## NAXOS IV

**Article-Number:** 0100395  
**Use:** Transparent/semi-transparent curtain fabric  
**Number of colors:** 38  
**Material:** 100% Flame retardant (Trevira CS)  
**Fabric width:** 300 cm/118 inch/3.28 yard  
**Weight:** 67 g/m<sup>2</sup>  
**Light fastness:** 6-7



## FOCUS

**Article-Number:** 0101690  
**Use:** Dense curtain fabric  
**Number of colors:** 50  
**Material:** 100% Flame retardant (Trevira CS)  
**Fabric width:** 300 cm/118 inch/3.28 yard  
**Weight:** 324 g/m<sup>2</sup>  
**Sound absorption:**  $\alpha_w$  0.60  
**Light fastness:** 5-6