



# Finland Pavilion Dubai Expo 2020

## BASIC INFORMATION

Project name	Finland Pavilion Dubai Expo 2020
Type	Competition, 1st Prize 2018
Location	Dubai, United Arab Emirates
Status	Completed
Year	2018 - 2021
Scale	Total gross floor area 1867 m <sup>2</sup>
Client	Business Finland

## FACTS & FIGURES

Completed	2021
Schedule	2018 - 2021
Total scope	1867 m <sup>2</sup> gross floor area 15 m high 19 m wide 49 m long 3 levels 1 custom-made elevator 2 staircases
Client	Business Finland (Helsinki, Finland)
Lead architect	JKMM Architects (Helsinki, Finland)
Project management and general contractor	Expomobilia AG (Switzerland)
Architect of record / consultant UAE	NSD Architectural Consultants (Dubai, UAE)
Main contractor (construction UAE)	Cimolai Rimond (Dubai, UAE)

Total area of white "Snow Cape" i.e. façade fabric surface: approximately 2000 m<sup>2</sup>  
 Total area of wooden wall surface in the "Gorge": 750 m<sup>2</sup>  
 Total length of wooden slats in the Gorge wall: more than 22 km  
 Maximum height of the tent-like entrance opening: 13 m  
 Maximum height of triangular entrance opening to the Gorge: 7.5 m  
 Maximum height of the Gorge: 15 m  
 More than 4000 granite tiles form the pavement in the main entrance and Gorge area.  
 More than 2000 granite tiles form the artistic pattern in the shallow lakes in front of the pavilion.



JKMM DESIGN TEAM

ARCHITECTURE - COMPETITION STAGE AND EARLY CONCEPT

Teemu Kurkela	Lead architect, Architect SAFA
Gregor Turnsek	Project Architect, Architect
Peter Vuorenrinne	Designer
Päivi Aaltio	Architect SAFA
Marko Pulli	Architect
Asmo Jaaksi	Architect SAFA
Samuli Miettinen	Architect SAFA
Juha Mäki-Jyllilä	Architect SAFA

ARCHITECTURE - FINAL DESIGN AND CONSTRUCTION STAGE

Teemu Kurkela	Lead architect, Architect SAFA
Gregor Turnsek	Project Architect, Architect
Päivi Puukari	Architect SAFA
Mikko Kyläkoski	BIM Coordinator
Jarno Vesa	Interior Architect SIO
Tatu Laakso	Designer
Asmo Jaaksi	Architect SAFA
Samuli Miettinen	Architect SAFA
Juha Mäki-Jyllilä	Architect SAFA

INTERIOR ARCHITECTURE

Päivi Meuronen	Interior Architect SIO
Rami Lehtimäki	Interior Architect

EXHIBITION DESIGN GROUP - SYMBIOSIS

Futudesign	Exhibition architecture
Flatlight Creative House	Story and video design, art direction & graphic design
Sun Effects	Lighting, sound and video design
JKMM Architects	Coordination and exhibition integration



## SPECIAL DESIGN COLLABORATIONS

KONE x JKMM

Halton x JKMM

Stone from Finland x JKMM

SAAS Instruments x JKMM

Isku x JKMM

Lasilinkki x JKMM

Satu Nisu x JKMM

Genelec x JKMM

Custom-made elevator

Main exhibition and VIP entrance sliding doors

Low-velocity air ventilation system

Custom-made stone paving

Table tops in VIP restrooms

Light installation in high entrance space

Gorge lights (LED stripe and spotlights)

Pavilion outdoor light projectors

VIP furniture integration and coordination

Custom glass panels (VIP meeting room doors)

Wall textiles for VIP spaces

Audio system integration for Gorge space

## MATERIALS AND BUILDING SOLUTIONS

### STRUCTURE

Loadbearing structure

Prefabricated steel structure

All elements coloured black, RAL 9005, matt

Wall structure

Industrial sandwich panels

All elements coloured black, RAL 9005, matt

### EXTERIOR

Façade material

Tensioned industrial fabric

Verseidag, seemee® Frontlit Ultra Matte B7613  
white colour, matt

Façade plinth

Concrete cement panels

bright grey, JOTUN 10342 Sable Stone

Front entrance wall

Aluminum panels with hidden fixture system  
semi-reflective, satin finish

Gorge skylight

Tensioned industrial fabric

Serge Ferrari, Precontraint 402

semi-transparent, white colour, matt

Outdoor deck flooring

On-site cast concrete, bright grey, satin finish

Water bodies

Concrete screed with waterproof layer  
painted, black-green, NCS S 8010-G10Y

Stone pavement - entrance and Gorge

Custom-made granite pavers

tile size approx. 40x17cm, 3cm thick



	4 stone colours and surface treatments tailored parametric pattern arrangement
	Palin Granit, Baltic Brown Light - hydro-finish / waterjet, bright brown-grey - flamed and brushed, brown-grey Granicon, Carmen Red - flamed, bright red - brushed, bright red
Stone art pattern - water bodies	Custom-made granite pavers tile size approx. 20x9cm, 2cm thick 2 stone colours and surface treatments tailored parametric pattern arrangement
	Ylämaa, Baltic Green - honed, green-black - flamed and brushed, light green-black
Pavilion signboard	Light steel structure aluminum sheet on MDF board base sanded aluminium surface, satin finish, pushed seams
Main exhibition and VIP lobby sliding doors	KONE automated sliding doors all components coated black, RAL 9005, matt
Other exterior doors	Metal fire rated doors, white, RAL 9003, matt
Door locking system	iLOQ
Exterior façade light projectors	SAAS Instruments, custom Power Focus Stem
Entrance space light installation	SAAS Instruments, Tube
INTERIOR	
Gorge wall	Vertical timber slats, 18x18 mm, various length base wall surface with MDF curved boards black colour, RAL 9005, matt
Interior wall surfaces - outside shell	Industrial sandwich panels all elements coloured black, RAL 9005, matt
Interior wall surfaces - gorge	Gypsum boards, smooth finish dark grey, RAL 7022 clad with vertical timber slats up to 2,5 meters
Interior wall surfaces - other	Gypsum boards, white or black white, NCS S 0300-N , matt black, NCS S 9000-N, matt

## Project information

JKMM Arkkitehdit  
Lapinrinne 3  
00100 Helsinki  
www.jkmm.fi



Flooring - main exhibition and VIP area	Industrial concrete screed brushed, white satin finish
Flooring - VIP entrance lobby	Granite pavement tile size 60x30/20/10cm, 2cm thick Ylämaa, Baltic Green, honed, green-black
Ceilings	Exposed structural elements visible HVAC, electrical and other installations all surfaces and elements coloured black RAL 9005, matt
VIP meeting room sliding doors	Lasilinkki custom glass panels custom pattern design by JKMM door operator Dormakaba
Gorge low level lights	SAAS Instruments, Creative Top View
Gorge spotlights	SAAS Instruments, Power Focus
Gorge audio equipment	Genelec
VIP restroom table tops	Kaavin Kivi / Kivilähde, Baltic Green, honed factory painted steel frame, matt black
VIP restroom sinks	Woodio Soft 60 Table Top, natural
VIP restroom water faucets	Oras, custom faucet 3017FT, matt black
Other water fixtures	Oras