

Curriculum Vitae

KALERVO KORPELA

Date and place of birth

18th March 1971, Lohja, Finland

Professional education

M. Sc. (Fire Safety Engineering) 1999 Helsinki University of Technology

AA-class qualification for fire safety engineering 2006, FISE

Qualification for exceptionally demanding fire safety engineering, 2016, FISE

Language proficiency

Finnish (1), English (3), Swedish (3), German (4)

(1=mother tongue, 2=excellent, 3=good, 4=fair)

Professional background

Company / organization	Line of business	Years	Position
Finnish Rescue Association	Advice	1999	Fire safety engineer
Markku Kauriala Ltd.	Consulting, engineering	2000-2006	Project director
KK-Fireconsult Ltd.	Consulting, engineering	2006-	CEO

Memberships

Finnish Association of Fire Engineers (Suomen Paloinsinööriyhdistys ry)

Professional training

Airflow modelling solutions for fire and HVAC engineers, AEA Technology, England, 2000

3th International Conference on Performance-Based Codes and Fire Safety Design Methods, Lund, Sweden, 2000

4th International Conference on Performance-Based Codes and Fire Safety Design Methods, Melbourne, Australia, 2002

The CIB-CTBUH Conference on Tall Buildings, Kuala Lumpur, Malaysia, 2003

5th International Tunnel Fire Safety Conference, London, England, 2005

SPEK, Fire Research days seminar, Espoo, 2013

SFS, Fire seminar for standardizing, Helsinki, 2014

SPEK, Fire Research days seminar, Espoo, 2015

SPEK, Fire Research days seminar, Espoo, 2021

SPEK, Fire Research days seminar, Helsinki, 2023

SPEK, Fire Research days seminar, Helsinki, 2025

Publications

Fire Loads in Sport Halls, Palontorjuntatekniikka, 4/1994

Lectures

- Fireloads in Office Buildings: 3th International Conference on Performance-Based Codes and Fire Safety Design Methods, Lund, Sweden, 2000
- Fireloads in Office Buildings: Days of Finnish Fire Research, Seminar, Helsinki, Finland, 2000
- Fire Safety Engineering in an Industrial Building (Case): Performance-Based Fire Safety Engineering in Buildings, Seminar, Helsinki, Finland, 2001
- Truck Fire Modelling on a Car Park Level of a Ro-ro-ship and Possible Fire Safety Solutions: Seatech 2000+, Seminar of a technical research projects for ships, Turku, Finland, 2003
- Fire Safety Engineering in a Shopping Center (an example building): Seminars of Ministry of Environment and Fire Research Council on Performance Based Fire Safety Engineering in Vaasa, Tampere, Helsinki and Joensuu, 2006
- Lecture on steel structure fire safety engineering, SPIY fire safety seminar, Helsinki, 2014



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Curriculum Vitae

REFERENCE PROJECTS DURING WORK IN MARKKU KAURIALA LTD

Project	Year
Siuntio Golf Mansion, fire risk analysis and fire safety solutions, Siuntio	2000
Hartwall Lahti brewery and soft drink plant including new offices and laboratories fire risk analysis and fire safety solutions, Lahti, 100 000 m ²	2000-2003
Vapo Energy, fire safety solution for a cutter silo, Alavus	2000
Iso Omena, commercial and office building and car park, Espoo, fire safety of structures	2000
Euromarket Lahti, Commercial building and car park, Lahti, fire safety of structures, escape routes, smoke exhaust, 20 000 m ²	2000-2002
AS Maru, Kaubanduskeskus, Commercial building, Tallinn, Estonia, structural firesafety solutions	2000
Outokumpu Polarit Oy, maintenance hall, fire safety solutions, Tornio	2000
YIT-Building, Fenix Sirius, office building, Tampere,	2000
Airix Kaarina, car park under a cinema centre, smoke ventilation, Turku	2000
Kesko, shopping centre, smoke ventilation, Forssa, 7000 m ²	2000-2001
Best Hall Oy, fire safety in Best Hall halls	2001
Sokos, Hotel, fire safety solutions, Salo, 8 000 m ²	2001
BMW-house, car sales house, fire safety solutions, Espoo	2001
Forssan Osarakenne Oy, statement of fire safety of a fire door, Helsinki	2001
NK-Cables Oy, fire safety solutions in a cable tower, Vantaa	2001
Labsystems Oy, office house and ware house, fire safety solutions, Vantaa	2001
Kesko, City-Market, smoke ventilation and fire safety of structures, Vihti, 12 000 m ²	2001-2002
Fortum, repair of a basement of Enegy House, fire safety solutions, Helsinki	2001
NCC Finland Oy, car park, smoke ventilation, Porvoo	2001
School of Kuoppanummi, fire safety solutions, Vihti, 12 000 m ²	2001
VR, Eliel: hotel, office, supermarket and railway station building, Helsinki, fire safety solutions, 20 000 m ²	2001-2003
JP-Terasto, Travel Centre, car park, fire safety solutions, Jyväskylä 10 000 m ² .	2001-2002



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Espoon Tennistuki ry, Esport Arena, sports hall, fire safety solutions, Espoo 30 000 m ²	2001-2004
Arabian Center, office and shopping centre, fire safety solutions, Helsinki 10 000 m ² part	2001-2003
Safiiri, office house, structural fire safety, Espoo, 6 000 m ²	2001-2002
Vierumäen teollisuus, drying house and storage of wood, Vierumäki	2001
Rautaruukki, indoor carting centre, fire safety solutions, Alahärmä, 9 000 m ²	2001-2002
Jaakko Pöyry Oy, paper mill, fire safety solutions Langerbrugge, Belgium 50 000 m ²	2001-2002
Structus Oy, office building, structural fire safety, Helsinki	2002
Euromarket Forssa, shopping centre, smoke ventilation, 5 000 m ²	2002
Espoo City, Ruusutorppa school, fire safety solutions, Espoo	2002
Demaco Oy, Aralis-library, fire safety solutions, Helsinki	2002-2003
YIT, Laaksolahti indoor football Arena, fire safety solutions, Espoo 8 000 m ²	2002
Best Hall Oy, fire safety in Best Hall wood storages	2002
Seatech 2000+, firesafety of car park level of ships	2002-2003
Bauhaus Raisio, structural fire safety solutions, Raisio, 6 000 m ²	2002
Visko Oy, sausage coat plant, smoke ventilation, Hanko	2002-2004
Suunnittelu-Kortes Oy, car ramp of exhibition centre, structural fire safety, Helsinki	2002
Veljekset keskinen Oy, shopping centre, fire safety solutions, Tuuri, 65 000 m ²	2002-2006
Onvest Oy, fire loads in a ware house, Hyvinkää, 4 000 m ²	2002
Elomatic, underground wastewater plant, smoke ventilation, Raisio, 20 000 m ²	2002
Jaakko Pöyry Group, Litmalt, malting plant, fire safety solutions, Lithuania, 6 000 m ²	2002-2003
Stadium, sport shop, structural fire safety solutions, Espoo	2002
Espoo City, Juvanmalmi school, fire safety solutions, Espoo	2002-2003
Schering, smoke ventilation in a laboratory, Turku	2003
Konewatt Oy, vehicle inspection centre of Turku, structural fire safety, Turku	2003
Knauf Oy, design manual of suspended ceiling structure, fire safety	2003
Foster Wheeler, Stora Enso Kvarnsweden, power plant, structural fire safety, Borlänge, Sweden	2003
Kvärner Masa Yards, fire safety solutions in an atrium of a cruising ship, Turku	2003



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A-rakennuttajat, fire load in one of Santen's ware houses, Tampere	2003
Fortum Oy, fire safety in a transformer building, Pyhäkoski	2003
YIT, structural fire safety of large sports hall in Joensuu, 18 000 m ²	2003
Arkkitehtityöhuone, fire safety solutions in TNT logistical terminal, Turku	2003
Turun Juva Oy, Aftermath of a fire in a water tower, structural fire safety, Turku	2003
Forssan Osarakenne Oy, statement of a fire door, Helsinki	2003
As Oy Helsingin Sini, fire safety of partitioning glass structures in a residential building, Helsinki	2003
NCC, indoor football arena, fire safety solutions, Rauma, 8 000 m ²	2003
UPM Kymmene, paper mill, structural fire safety and smoke ventilation, Changshu, China, 50 000 m ²	2003
GNT Finland, logistic center, fire safety solutions, Norrköping, Sweden, 14 000 m ²	2003-2005
Jaakko Pöyry Oy, fire safety in transformer rooms, research	2003-2004
Maskun kalustetalo Oy, shopping centre, fire safety solutions, Masku, 8 000 m ²	2003
Veljekset Keskinen Oy, "Outdoor sales buildings", fire safety solutions, 3 000 m ²	2004
Suunnittelu-Kortes Oy, 5 th nuclear power plant, turbine hall, fire safety consultation for Kortes Consulting and Siemens PG, Olkiluoto, 18 000 m ²	2004-2006
JP-Kakko Oy, 5 th nuclear power plant, nuclear island, fire safety consultation for Framatome ANP, Olkiluoto	2004-2005
Kone Oy, fire safety off a lift and lift shaft	2004
Hartela Oy, IF (insurance company) Turku head quarter, smoke exhaust, fire safety solutions, 15 000 m ²	2004-2005
Citec Engineering Oy Ab, Wärtsilä power station, Moe, Irak, fire safety of bearing structures and smoke exhaust, fire detectors, 3000 m ²	2004
HUS Kiinteistöt Oy, Lohja hospital's new part, smoke exhaust, 5000 m ²	2004
Tarveasunnot Oy, Patterikuja 17 apartment buildings fire safety	2004
Tupolev office building including car park, Moskov Russia, fire safety of structures, fire compartments and smoke exhaust, 16 000 m ²	2004
Sinebrychoff Oy, high storage building, Kerava, fire safety of structures, smoke exhaust, escape routes, 12 000 m ²	2004-2005
Kurikan Muotopuriste Oy, Fire risk assessment, furniture factory, Kurikka	2004



Curriculum Vitae

Kvärner, Panna Händelö, power plant, Norrköping Sweden, fire safety of structures, smoke exhaust	2004-2005
MS-association, MS-building, fire safety of structures, smoke exhaust, escape routes, fire compartments, 8 000 m ² , Helsinki	2004-2005
Paulig Oy, expansion of Columbus retail centre and car park, fire safety of structures, smoke exhaust, escape routes, fire compartments, 20 000 m ² , Helsinki	2004-2005
NCC, Porttipuisto retail centre, smoke exhaust, 15 000 m ² , Vantaa	2004-2005
Lemcon Oy, Kazan Arena, fire safety of structures, Kazan, Russia	2004
TVO, Central office's roof structure, fire safety of structures	2004
Ruukki Oy, Helkalax, balcony bearing structures, Espoo	2005
Lumon Oy, balcony bearing structures, Espoo	2005
YIT Rakennus Oy, YIT Service Centre, Vantaa, fire safety solutions 12 000 m ²	2005
Aker FinnYards, Genesis Cruiser Ship, fire safety of an open atrium	2005
Sponda Oyj, Vantaan Honkatalo, logistic centre, renovation and expansion fire safety solutions, 12 000 m ²	2005
Ruskeasuon Varikkokiinteistö Oy, preparation design, bus park and reparation hall, offices and sport hall, Helsinki, fire safety solutions 25 000 m ²	2005-2007
Rauma City, Ice hockey hall expansion, fire safety solutions and smoke exhaust of the whole building, escape routes of the whole building, 10 000 m ²	2005
Thermisol Oy, Insulation material of an agriculture building, Janakkala	2005
HOAS, Kumpulan Kiila, Helsinki, multi storey apartment building with wooden facades, fire safety solutions	2005
Skanska, Lahden Keijumetsä, Lahti, multi storey apartment building with wooden facades	2005
Arco Invest, Holiday City Tallinn, Estonia, hotel and spa and car park, fire safety solutions, 55 000 m ²	2005-2006
Finnair, Finncatering, air plane food preparation plant, Vantaa, 4000 m ²	2005
NCC, Myyrmäki health centre, Vantaa, smoke exhaust	2005
Rakennus Gemini, Liukutie 15, Helsinki, logistic centre, expansion, fire safety solutions (including update of old part), 22 000 m ²	2005
Varma, Varma-Salmisaari head quarters, Helsinki, office building and car park, 60 000 m ²	2005-2009
Vantaan seurakunnat, Hämeenkylä church, smoke exhaust of basement storage	2005
Pontek Oy, Hyvinkää Ice Hockey Training hall, structural fire safety	2006



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YIT Rakennus Oy, Herttoniemi car sales building, fire safety solutions	2006
Paulig Oy, Vuosaari new coffee roastery and offices, fire safety solutions, 30 000 m ²	2006-2009
Parmaco Oy, Koy Vantaan ylästöntie, industrial hall, smoke exhaust	2006
Aker Yards / Kone Hissit, fire safety of a marine elevator trunk and staircase, Tallink NB 1356	2006
YIT Rakennus Oy, Helsinki, Shopping Center Columbus, statements on fire compartment doors and class walls	2006
Versowood Oy, Vierumäki, statement on a fire compartment wall of a wood storage	2006
Linnamäki Steel Oy, Auto-Berner Lappeenranta, structural fire safety	2006
YH-Rakennuttaja Oy, As Oy Sumujen silta and As Oy Sateenkaari, Helsinki, fire safety solutions of car parking spaces	2006
Varma / Demaco Oy, Arabiankeskus, statement on fire compartment glass walls	2006
Rockplan / Vuoli, Fire simulations of Provarinlahti road tunnel	2006
Kulttuurikeskus Korjaamo Oy / renovation of tram museum, fire safety solutions	2006



REFERENCE PROJECTS CONSIDERING FIRE SAFETY DURING WORK IN KK-PALOKONSULTTI OY

Dwelling houses:

As Oy Aurinkolahden Kanavatorni, Helsinki, statement on balcony structures	2007
As Oy Hansavalkama, , Espoo, project planning phase	2007
As Oy Iirislahdentie 14, Espoo, alteration work	2007
As Oy Isojärvenkuja 9, Espoo, fire safety of fire places	2007
As Oy Koivuviidantie 11, alteration work	2007
As Oy Malminrinne, Helsinki, alteration work	2007
As Oy Päivänkajontie, Espoo, alteration work	2007
Kadettitalo, Helsinki, fire doors and glazing on fire compartment structures	2008
Museokatu 11, Helsinki, adding an elevator to staircase and width of staircase	2008-2009
Ratakatu 29, Helsinki, adding an elevator to staircase and width of staircase	2008
As Oy Vantaan Kivivuorenlahti	2008-2009
As Oy Pohjoisranta 4, fire doors	2009
Armfeltintie 11, Helsinki, fire safety of a staircase	2010
Viikin puukerrostalot, fire technical specification and consultation	2010-2012
Martintorni, Vantaa, fire technical specification and consultation	2010-2011
Krogiuksentie 10, Helsinki, statement on distance between houses	2011
Kokonkulma, Kerava, design of smoke extraction in common areas	2011
Bulevardi 10, fire technical specification and consultation	2011-2012
Arabiankatu 4, fire technical specification and consultation	2011-2012
Hangan Grand, fire technical specification and consultation	2011-2012
As Oy Helsingin Kuusihovi, statement on glazing in a fire compartment wall	2012
As Oy Riontähti, statement on a fire compartment wall structure	2012
As Oy Venlankatu 6, statement on a casing for pipes and cables inside a staircase	2012
As Oy Espoon Kilonrinne, statement on structures in a fire compartment wall	2012
Lautasaarentie 48, Helsinki, statement on structures in fire compartment walls	2012
Pohjoisranta 12, design of fire stops in fire compartment walls	2012
Perheläntien asuintorni, Järvenpää, fire safety consultation in draft phase	2012
Tiimalasintie 5, Espoo, statement on distances between buildings	2012
Toukolankustaa, Helsinki, statements on fire compartment wall structures	2012
Tupalantien kortteli, Järvenpää, fire safety consultation in draft phase	2012
Niittymaan kortteli, Espoo, fire safety engineering	2012-2014
As Oy Espoon Artesaani, compartmentation of cable shelves in escape corridor	2013
As Oy Helsingin Tirlittan, statements on fire compartment structures	2013
Puukuokka, Jyväskylä, fire safety design of a wooden 8 storey building block	2013
Kvartet Victoria, Helsinki, fire safety engineering	2014-2016
HHR (Helsinki Highrise) competition phase, Pasila, fire safety design solutions, 26-storey residential building	2017-2018
HHR (Helsinki Highrise) competition phase, Pasila, fire safety design solutions, 44-storey residential building	2017-2018
As Oy Espoon Hujoppi, 16-storey residential apartment building, fire safety design	2017-2019
Kivenlahti commercial centre, M1 residential tower, 16 storeys, fire safety design	2020-2022
Kivenlahti commercial centre, M2 residential tower, 13 storeys, fire safety design	2021-2022
KV-A Juhlakallio, timber apartment buildings, Kirkkonummi, fire safety design	2022
As Oy Oulun Puistoranta, fire safety design	2022
TA Malminkartano, Helsinki, fire safety design	2024
As Oy Kalevanrinne, Tampere, fire safety design 2023 Kivisilta apartment building, Kerava, fire safety design	2023-2024

Curriculum Vitae

Hospitals rest homes and dwellings for assisted living

GSP Suunnittelu, rest homes, several in different areas of Finland	2007
Lapinlahti hospital, Helsinki, fire safety design of renovation and alterations	2007-2010
Louhela rest home, Vantaa, fire safety design	2008-2009
Haahkapolku 3 rest home, Helsinki, fire safety design	2008-2009
Parainen health center, improvement of fire safety solutions	2008-2010
Malmkulla, rest home, Parainen, improvement of fire safety solutions	2008-2010
Peijas hospital, Vantaa, evacuation calculation for geriatric department	2008
Seinäjoki Y-building, hospital, 50000m ² , fire safety design, evacuation design	2008-2012
Viherkoti, rest house, Espoo, fire safety design of renovation and alterations	2008-2009
Myllypuro health center, Helsinki, smoke extraction planning for basement, statements on fire compartment wall structures and doors in fire compartment walls	2009
TYKS, T-hospital, 50000m ² , Turku, third party inspection for fire safety design	2010-2011
Tilkankatu 1, Helsinki, rest home, statement on fire compartment wall structures	2011
Kaski and Koukkusaari rest homes, Helsinki, statements on fire compartment wall structures	2011-2012
Kinapori, Helsinki, statement on fire compartment wall structures	2011-2012
Lehtisaari rest home and dwelling for assisted living, fire safety design	2011-2012
Naistenklinikka, hospital, Helsinki, renovation and enlargement, fire safety design	2011-2012
Riihikallio day care center, rest home and dwellings for assisted living, fire safety design	2011-2012
Meilahti hospital, Helsinki, smoke extraction design of underground Linac area	2012
Vaasa hospital, smoke extraction design for underground F and CT-buildings	2012
Porttipuisto, Espoo, block for seniors, statements on fire compartment doors	2012
Ohkola hospital, Mäntsälä, statements on fire compartment doors	2012
Vaasan sairaanhoitopiiri, Vaasa hospital pharmacy	2013
Lahti hospital enlargement (heart clinic and pharmacy)	2013-2014
HUS SD cancer clinic, underground spaces, Helsinki, fire safety engineering	2015-2018
OYS 2030, Oulu, fire safety consulting	2016-2021
HUS Trauma Center / Cancer Center (Bridge Hospital), Helsinki, fire safety consulting	2016-2021
South Karelia Central Hospital, extensions, fire safety consulting	2017-2018
South Ostrobothnia Hospital District, Seinäjoki Central Hospital, evacuation time calculations and egress safety assessments for wards	2021-2022
Salo Hospital, renovation and extension, fire safety design	2021-2025
Lahti Hospital, Phase 8, fire safety design and smoke control design, evacuation time calculations, egress safety assessments, performance-based fire design	2022-
Lahti Hospital, Phase 7, evacuation time calculations and egress safety assessments	2022-2023
Iisalmi children's home Taskukello, fire and evacuation simulations to support façade material selection	2023
Gardininkuja care home, Rovaniemi, fire safety design	2023
Karhunkierros day care centre, Vantaa, fire safety design	2024-2025
Kivistö day care centre, Jyväskylä, fire safety design	2024
Lahti Hospital, Phase 8, performance-based fire design	2023-2024
Luppokoti, Enontekiö, fire safety consulting	2023
Kuopio Pirtinkaari Huutihovi assisted living facility, fire safety design	2024
Panosaukio care facility, Helsinki, zoning phase, fire safety design 2	2024
Plushoiva Turku Lukkosepänkatu, fire safety design	2025
Pulkamontie, Rovaniemi, modifications to K1 ward, fire safety design	2024
Puutarhatie day care centre, Vantaa, fire safety design	2024-2025
Seinäjoki Central Hospital, safety assessments	2023
TYKS Psychiatry, fire safety design	2023-2024



Curriculum Vitae

Hotells and conference buildings

Airport Hotel Rantasipi, Vantaa, alteration and enlargement, fire safety design	2007-2008
Linnahotelli (KOy Vanhajämerä), hotel, Helsinki, alteration, fire safety design	2008
Siltasaarencatu 14, Helsinki, alteration from offices to hotel, fire safety design	2008-2009
Vallila accommodation facility, Helsinki, conversion from office to hotel	2012–2013
Mitt i Stan, Närpes, fire safety design	2013
Capsule hotel, Helsinki, conversion from commercial premises to hotel	2014
Airport Hotel Rantasipi, Vantaa, alterations	2017
Hotel Helka, alterations, preliminary design and fire safety design	2025
KOy Elielinaukio 5, hotel refurbishment, fire safety design	2024–2025

Schools

Helsinki university of technology, Physics department, Espoo, alteration, fire safety design	2007
Helsinki university of technology, Wood technology department, Espoo, alteration, fire safety design	2007
Adulta, Järvenpää, adult education school, alterations and renovation, fire safety design	2008-2009
Kariston service center, Lahti (school and library), fire safety design	2008
Herttoniemi primary school, Helsinki, renovation, fire safety design	2008-2009
Åshöjden primary school, Helsinki, renovation, fire safety design	2008-2013
Saunalahti school and day care center, Espoo, fire safety design	2008-2009
Mårtensbro school and day care center, Espoo, fire safety design	2009-2010
Brandö primary school, alteration and enlargement, fire safety design	2009-2011
Espoonlahti school, Espoo, renovation, fire safety design	2009-2012
Käpylän school, Helsinki, renovation, fire safety design	2009-2012
Kaisaniemi primary school, Helsinki, renovation, fire safety design	2010
Meilahti primary school, Helsinki, renovation, fire safety design	2010
Day care center Arkki, Vantaa, renovation, fire safety design	2010
Munksnäs junior high school, renovation, fire safety design	2011
Kulosaari quarter house, school and day care center, Helsinki, fire safety design	2011-2012
Pihlajamäki primary school, Helsinki, renovation, fire safety design	2011-2012
Sakarimäki school and day care center, Helsinki, alteration and enlargement, fire safety design	2011-2012
Hyvon, Salo, adult education school, alteration and enlargement, fire safety design	2011-2012
Åshöjdenin school, design of fire stops	2012
Itä-Pakila primary school and day care center Tammi, Helsinki, renovation and alteration fire safety design	2012
Myllypuro primary school, Helsinki, statement on structures in fire compartment walls	2012
Kirsti school, Espoo, statement on structures in fire compartment wall	2012
Minerva school, Helsinki, renovation, fire safety design	2012
Opinmäki school and day care center, Espoo, fire safety design	2012-2013
Vesala junior high school, Helsinki, alteration, fire safety design	2012
Viikinmäki Quarter house (school and day care center), Helsinki, fire safety design	2012
Hirvensalo school, Turku, fire safety engineering	2013
Aurinkokivi school, Vantaa, fire safety engineering	2013
Salo, SSKKY Venemestarinkatu 37, grown up training center, fire safety engineering	2013-2014
Vuosaari elementary school, fire safety engineering of renovation	2014-2015
Alppila elementary school and high school, renovation, fire safety engineering	2014
Jätkäsaari elementary school 1-2cl and day care, fire safety engineering	2015
Aleksis Kivi school, renovation, fire safety engineering	2015
Jätkäsaari Comprehensive School, Helsinki, new building, fire safety design	2016
Taivallahti Comprehensive School, Helsinki, refurbishment, fire safety design	2016–2024
Sipoonlahti School, renovation and extension, fire safety design	2016–2019
Hiekkanpää Campus, Pieksämäki, new building, fire safety design	2018
Karinkangas School, Rauma, new building, fire safety design	2019



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Xamk Kotka Campus, fire safety design	2019–2021
Karin Campus, Rauma, new building, fire safety design	2019–2021
Gradia Lievestuore, renovation and extension, fire safety design	2020–2021
Lamminrahka School Centre, Kangasala, new building, fire safety design	2020–2023
Ähtäri Campus, Seinäjoki Educational Consortium, fire safety design	2022
Vamia ATM Hall, fire safety design	2022–2023
Imatra Campus, extension, fire safety design	2025
Inari School, fire safety design, performance-based fire design	2024
Sotkamo Upper Secondary School and Library, fire safety design	2024
Kuninkaantammi School and Day Care Centre, fire safety design	2023
Kaarina Temporary School, evacuation simulations	2024
Nissnikutalo, Kirkkonummi, fire safety design	2024–
Sipoonlahti School, Sipoo, alterations, fire safety design	2023–2024
Vaaranlampi multi-purpose building, Rovaniemi, fire safety design	2024
Viertola School, Vantaa, refurbishment and extension, performance-based fire design	2024–2025

Ships

Kone Marine, statements on fire safety of Monospace® elevators on 35 different ships	2007-2016
Aker Yards, statement on fire door structure for project NB1358	2008
About 60 different ships, elevator statements for KONE Marine	2009-2026

Traffic

Ruskeasuo bus depot, Helsinki, fire safety design	2005-2007
Vuoli-tunnel, Helsinki-Vantaa, statements on fire doors and smoke extraction simulations	2007
Espoo railway station, alteration and renovation, fire safety design	2008-2009
Ruohoparkki car park, Helsinki, statement on roof bearing structures	2009
Länsimetro, subway, fire safety consultation	2010-2012
Kokonkulma, Kerava, smoke extraction design of a car park	2011
Oulu travel center (railway station, bus station, shopping center, offices, dwellings, car park total 35000m ²), fire safety design	2011
Alberga car park, 15000 m ² , Espoo, fire safety design	2011-2012
Kirkkonummi car park, fire safety consultation	2011-2012
Jokeri 2, Paloheinä tunnel, Helsinki, fire safety design	2011-2013
Sairaalaparkki, 14000m ² car park, Lahti, fire safety design	2012
Sola Business Park, 9000m ² car parkin basement, fire safety design	2011-2012
Biiliparkki, Espoo, fire safety engineering of a car park	2012-2014
Revontuli tunnel, Rovaniemi, fire technical statement on fire safety	2014
Länsimetro stage 2, Matinkylä-Kivenlahti, Espoo, fire technical engineering	2015-2022
Sammalvuori metro train depot, Espoo, fire technical engineering	2016-2018
Nobina Finland West Oy, Espoo, explosion protection document for bus depot	2016
Finnoonsilta, Espoo, access ramp to underground parking facilities, fire safety design	2016–2022
Hippos parking garage and car park, Jyväskylä, fire safety design	2018–2019
Silkkitie parking facility, Vantaa, fire safety design	2019
Reposalmi hybrid block, parking facilities and tram depot	2019–2020
Senate Properties, parking garage, Helsinki, project planning	2020
Kaitaa parking facility, West Metro, fire safety design, façade fire simulation	2022–2023
Helsinki, metro tunnel stations and tunnels (core metro), fire safety studies	2024–2025
Helsinki, city centre service tunnel bypass, project planning	2023
Länsimetro, Espoo, modifications, third-party inspection	2023–2025
Hospital parking facility, Lahti, alterations, fire safety design	2023



Curriculum Vitae

Commercial buildings

Delta-Auto Koskelo Car shop and repair, Espoo, fire safety design	2007
Kauppakeskus Centrum, Lahti, statement on fire door	2007
K-Citymarket, 15000m ² Klaukkala, shopping center, fire safety design	2007
Liikekeskus Holma, 20000m ² shopping center, Lahti, fire safety design	2007
Mikkeli Quarter 5, 15000m ² , shopping center, offices, dwellings, fire safety design	2008-2009
Graanin shopping center, Mikkeli, 20000m ² alteration and enlargement, fire safety design	2008
Hyvinkää Quarter 101, 35000m ² , shopping center, offices, dwellings, car park, fire safety design	2008-2011
Veho Olari, car storage of a car sales buildinglaajennus (autovarasto), fire safety design	2008
ABC Lohja, 5000m ² shopping center / service station, fire safety design	2008
Kodin Terra, 12000m ² , Hämeenlinna, alteration and enlargement, fire safety design	2008-2009
Sokos Lahti, smoke extraction simulations	2008
LIDL Inkilänmäki, Kuopio, statement on fire safety	2008
Oulun Masku furniture store, stage 1, simulations and statement on steel structures	2008
Martintori total 15000m ² shopping center, car park and dwellings, Vantaa, fire safety design	2008-2009
VW Center, car shop, Vantaa, alteration and enlargement, fire safety design	2008-2009
Audi Center, car shop, 16000m ² , Vantaa, fire safety design	2008-2009
Veho Koivuhaka 2, car shop and car park, 30000m ² , Vantaa, fire safety design	2008-2009
Jyväskylä Forum, shopping center and car park, 20000m ² , renovation and alterations, fire safety design	2009-2010
Koivukylän CityMarket, Vantaa, statement on fire doors	2009
Ylivieskan Prisma, shopping center, 15000m ² , fire safety design	2009-2010
Kuninkojan kotikeskus, Raisio, simulation and statement on bearing steel structures	2009
Raisio Mylly, Prisma simulation and statement on bearing steel structures	2009
KCM Kivihaka, Vaasa, shopping center, 20000m ² , fire safety design of enlargement	2009
Ideapark Kiiminki, 100000m ² , shopping center, fire safety design in design phase	2009
Launen Prisma, Lahti, 35000m ² shopping center, simulations and statement on bearing steel structures of enlargement areas	2010
Kauppakeskus Karisma, shopping center, Lahti, simulations and statement on wooden ceiling	2010
Prisma Hyllykallio, Seinäjoki, shopping center and car park, 35000m ² , fire safety design of enlargement and simulations for the whole building	2010-2012
Klinkkerikaari 12, Vantaa, smoke extraction design	2011-2012
Koskikeskus, Tampere, statement on smoke extraction dimensioning	2011
Otava book shop, Uudenmaankatu 10, Helsinki, fire safety design of alteration	2011
Ikea Kuopio, third party statement on fire safety design	2011
Porvoo art factory, shopping center, fire safety design	2011-2012
Ikano Kuopio, third party statements on fire safety design	2011-2012
Hartmann, Espoo, fire safety design	2012
KCM Joensuu, 15000m ² shopping center, simulations and statement on wooden ceiling	2012
KCM Kokkola, shopping center, 20000m ² , fire safety consultation	2012
Kokkola Prisma, 20000m ² , enlargement and alterations, fire safety consultation	2012
Imatra Prisma, 34000m ² , fire safety engineering	2013-2014
Lampa building, Helsinki, fire safety calculations and simulations for roof structures	2013
Sofiankatu 4, Helsinki, change, fire safety engineering	2015-2016
Mekaanikonkatu 1, Helsinki, alterations, fire safety engineering	2015
K-Rauta Mättisenpuisto, Kokkola, explosion protection document	2015
K-Rauta Holma, Lahti, explosion protection document	2016
S-Market Söderkulla, fire safety design for alterations	2017
Otava, Uudenmaankatu 10-12, fire safety design for alterations	2018
S-Market Nikkilä, Sipoo, fire safety design, fire simulations	2019-2020
S-Market Tammisaari, fire safety design, fire simulations and smoke control design	2019-2021



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Curriculum Vitae

S-Market Jukola, Hämeenlinna, smoke control design	2020
Kivenlahti commercial centre, Espoo, fire safety design	2020–2025
OP Financial Group, Forum Jyväskylä, alterations, fire safety design	2021–2022
K-Auto, Tikkurilantie 123, alterations, fire safety design	2022
Päivölä commercial centre, Seinäjoki, fire safety design, performance-based fire design	2022–2023
TSJ Kiinteistöt, retail hall extension, Mustasaari, performance-based fire design and fire safety plan	2022
Tervasaari granary restaurant, Helsinki, fire safety design	2023
Hartman, Ylöjärvi, retail buildings, fire safety design, performance-based fire design	2023
Heinola Knowledge Factory, retail premises and library, fire safety design	2024
K-Auto Tikkurila, Vantaa, alterations, fire safety design	2023–2024
Prisma Mikkeli, alterations, fire safety design	2024–2025
Päiväntaite 8, Espoo, fire safety design and expert statement	2023
Ristipellontie 1, Helsinki, performance-based fire design	2023
S-Market Hanko, performance-based fire design	2023
Tammiston Sähkötie 10, fire safety design	2025
Tammiston Kauppatie 10, fire safety design	2025
Taanila commercial centre, Ylivieska, performance-based fire design	2024–2025

Cultural buildings

Tram museum, Helsinki, alteration, fire safety design	2007
Suvilahti gas storage, Helsinki, change to cultural building, fire safety design	2011
Kulttuuritehdas korjaamo, Helsinki, alteration, fire safety design	2012
Porvoo art factory, statements on fire compartment structures on alteration areas	2012
Tikkurilan Silkki, statement on fire safety of a theatre	2012
Tapiola Church, Espoo, fire safety design	2019–2021
Heinola Knowledge Factory, library and retail premises, fire safety design	2024
Sotkamo new library and upper secondary school building, fire safety design	2024

Industrial buildings and storages

Fermion Oy, Hanko, alteration, fire safety design	2007
Pauligin new coffee roastery, Helsinki, 35000m ² , fire safety design, roastery, storages and offices	2006-2009
Wood pellett factory, Hollola, fire safety design	2007
Rautaruukki, Kalajoki, 50000m ² enlargement, fire safety design	2007
Rautaruukki, Raahe, statement on fire doors	2007
Rautaruukki, Ylivieska, 10000m ² enlargement, fire safety design	2007
Visko Teepak, Hanko, alteration, fire safety design	2007
Saint Gobain, Ogre, Latvia, fire safety design in project planning phase	2008
RollingCenter, storage for Helsinki museum, Vantaa, fire safety design	2008
Schenker, 5000m ² alcohol storage, Vantaa, fire safety design	2008
Transpoint Avanti, Lieto, logistic center, 15000m ² , fire safety design	2008
Koskela hospital, food center, Helsinki, fire safety design in project planning phase	2008-2009
KV2 Hakkila, Vantaa, smoke extraction plannin of food storages	2009
KOY Ruukintie 3, 6000m ² enlargement for production and offices, Espoo, fire safety design	2009-2011
Toivonen Yhtiöt, Tampere, production and storages, fire safety design	2009-2010
GCT Tahkotie ja STC Viinikkala, Vantaa, storages and production spaces, 30000m ² , fire safety design	2009-2010
Google, Hamina, fire safety consultation for changing and old paper mill to data center	2009-2011
Kotka Yacht Store, 14000m ² , winter storage for yachts, fire safety design	2010-2011
EKE-Rakennus, Rasti 3, storages, 20000m ² , fire safety design for design phase	2011
Tiilenvalajantie 6, Espoo, smoke extraction design	2011
Ruukinmestarantie 10, Espoo, production and storages, fire technical specification	2011-2012
Vantaa waste power plant, third party inspection for fire safety design	2011-2012
Academica Viikki, data center, fire safety consultation	2012



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Fazer bakery, Vaarala, fire safety consultation for alteration	2012
Fertilog Kotka, urea storage, 70000m ² , statement on fire safety	2012
Heikkilän barn, Ilmajoki, third party statement on fire safety	2012
Mälaren, Sweden, power plant, fire safety consultation	2012
Planmeca, Helsinki, smoke extraction design	2012
Teollisuusneuvoksenkatu 6, fire safety design for alteration	2012
Värtan KVV8 power plant, Sweden, fire safety consultation	2012
Academica Viikki, data center, Helsinki, fire safety engineering	2013
Fermion Oy, Espoo, change, fire safety engineering	2013
Riikinvoima, Leppävirta, waste power plant, fire safety engineering	2013-2015
KOy Tuusulan uusi mutka, smoke exhaust planning	2013
Billnäsin ruukki, Raasepori, Iso paja fire safety engineering	2013-2014
Sappi Kirkniemi, new power plant, fire safety engineering	2014
Inkoo port, halls 20-24, fire safety engineering	2015
Lahti Energia, KYVO3 boiler plant, heat recovery and fuel handling	2016–2018
BillerudKorsnäs, Grums, Sweden, board mill, approx. 70,000 m ² , fire safety design and consulting, performance-based fire design, smoke control design	2016–2019
Lidl, Järvenpää logistics centre, approx. 60,000 m ² , fire safety design and consulting, performance-based fire design, smoke control design	2016–2018
Lappeenranta central wastewater treatment plant, new buildings, fire safety design	2017
Boliden Kevitsa, performance-based fire design for mill building extension	2018
AFRY Finland Oy, Lappeenranta central wastewater treatment plant, fire safety design and consulting	2018
Wärtsilä HUB, Vaasa, production and testing facility, approx. 65,000 m ² , fire safety design and consulting, performance-based fire design, smoke control design	2018–2023
Metsä Fibre, Kemi, bioproduct mill, fire safety design	2019–2021
TVO, Olkiluoto nuclear power plant, fire safety statement	2019
Rauma sawmill, Metsä Wood, fire safety design	2019–2021
Metsä Fibre, Joutseno, new debarking plant, fire safety design	2019–2020
Tahkoluoto coal transit terminal, Pori, fire safety design	2019–2021
Taurus Mill Project, Uruguay, pulp mill, fire safety design and fire simulations	2020–2021
HSY Kivikko hazardous waste storage extension, Helsinki, fire safety design	2020–2021
Steinmüller Babcock Environment GmbH, Vantaa waste-to-energy plant Phase 2 boiler building, fire safety design	2020–2021
Steveco Mussalo, new port warehouse hall, smoke control simulations	2020
AWW Paja-22, Varkaus, fire safety design	2020
Pyroll Pyhtää, paper warehouse extension, smoke control simulations	2020
Fincumet Ikaalinen, fire safety design	2020–2021
Battery materials recycling plant, Harjavalta, fire safety design	2020–2022
Viking Malt, Lahti, new maltings plant, fire safety design, fire simulations	2020–2022
Metsä Fibre, Kemi, Ajoksen pulp warehouse, new building, fire safety design	2021
Mondi Powerflute, Kuopio, extension, fire safety design	2021
Nimetech, Maalahti, production building and extension, performance-based fire design, smoke control design	2021–2022
Nordstern paper mill, Germany, fire safety design during preliminary design phase	2022
Fazer confectionery factory, Lahti, performance-based fire design	2022–2023
Pölkky, Kajaani, sawmill, fire safety design, performance-based fire design	2022–2025
Sappi Kirkniemi, Lohja, fire safety solutions for oil tank area	2022
Vantaa Energy Power-to-Gas project, fire safety design	2022
Wärtsilä FuFu, Vaasa, flammable liquids and gases, fire safety design	2022
Valmet, Celtejo, Portugal, Torch Burner Building, fire safety design	2022
Castor, Rotterdam, flammable liquids terminal, fire safety design	2022–2023
Volare production building, fire safety design, performance-based fire design	2022–2025
Fincoat, Riihimäki, alteration/extension, fire safety design	2023
Metsä Tissue, Mänttä, warehouse spaces, performance-based fire design	2023
Metsä Board Kaskinen, fire safety design in preliminary design phase	2023



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MLE paint shop, Järvenpää, fire safety design, performance-based fire design between new and existing sections	2023
Snellman Kokkikartano, Pori, alterations, fire safety design, performance-based fire design	2023
Port of Kokkola, sulphur storage hall, performance-based fire design	2023–2024
Adolf Lahti Oy, Kokkola, logistics centre extension, fire safety design	2024
Battery factory, Kotka, preliminary design, fire safety design	2023–2024
Hydrogen plant, Raahe, preliminary design, fire safety design	2023
Sulphur concentrate storage, Kokkola, performance-based fire design	2025
A-Rehu, new dryer building, Ilmajoki, performance-based fire design	2023
Cactos Oy, Vantaa, energy storage systems, fire safety design	2024
Castor Rotterdam, bio-oil refinery, fire safety design	2023–2024
Anora Group, ethanol loading and unloading area, performance-based fire design	2025
IFF production plant, Hanko, fire safety design	2024–2025
Hitachi Energy Park transformer factory, Mustasaari, fire safety design, performance-based fire design	2024–
HUS pharmacy and central kitchen building, fire safety design	2024–2026
Keliber, Kokkola, new building, fire safety design	2024
Kespro logistics centre, Nurmijärvi, performance-based fire design	2024–2025
Port of Kokkola sulphur warehouse, performance-based fire design	2023
MM Kotkamills, Kotka, additional building, fire safety design	2024
Kotka glucan factory, extension, fire safety design	2023–2024
Valmet Kronospan, Luxembourg, fire safety design	2024
Kvarnholm Ab, Närpes, extension, fire safety design	2023
Lapwall Oyj, Pyhäntä, extension, performance-based fire design	2024
Logicor Oy, Tampere, alterations, performance-based fire design	2025
Metsä Fibre, Äänekoski, pilot building, fire safety design	2023
Metsä Tissue, Mänttä, paper warehouses, performance-based fire design	2023
MLE paint shop, Järvenpää, performance-based fire design	2023
MMP-Invest, Kauhajoki, extension, performance-based fire design	2024–2025
Tekova Oy, Fallbackantie, Tuusula, fire safety design	2024–2025
MSK Plast, Ylihärmä, extension, performance-based fire design	2023–2024
Mäntyharju central kitchen, fire safety design	2025
Nimeteck 2, Maalahti, extension, performance-based fire design	2023
Nobina, Oulu depot, fire safety design	2023
Puuseppien Oy, Hyvinkää, extension, fire safety design	2023
Plasteco Oy, Lahti, fire safety design	2025
Sappi Kirkniemi, new chip reception area, fire safety design	2023
Data centre, Kouvola, performance-based fire design	2024–2025
Tara-Element Oy, Alaveteli, extension, performance-based fire design	2024
Teollisuuskatu 29, Helsinki, alterations, performance-based fire design	2023–2024
Citec Oy Ab, Porvoo, heat pump plant, fire safety design	2023
Toyota, Vantaa, alterations, fire safety design	2024–2025
Valmet Kronospan, Austria, fire safety design	2024
Valmet Rouen BFB, France, fire safety design	2023
Valmet Rya, Gothenburg, Sweden, performance-based fire design	2023–2024
Valsberg water treatment plant, Närpes, fire safety design	2024
Vantaa waste-to-energy plant, oil tank area, performance-based fire design	2023–2024
WaskiCenter, Phase II, Vaasa, performance-based fire design	2025
Wärtsilä HUB, Vaasa, alteration, performance-based fire design	2023
Wärtsilä HUB, Vaasa, extension, fire safety design	2025
Wärtsilä HUB, Vaasa, alterations, fire safety design	2024–2025
Wärtsilä Office, Vaasa, extension, smoke control design	2025
Wärtsilä VEL, Vaasa, fire suppression systems consulting	2023
SSAB Luuleå, Sweden, fire safety consultation on fire strategy, simulations, etc.	2026



Curriculum Vitae

Office buildings

SP-Kiinteistöt, Kilon Ritari, 30000m ² , alteration, fire safety design	2007-2009
Pohjoisesplanadi 33A, alteration, fire safety design	2007
Varma, Salmisaari offices and car park, Helsinki, fire safety design	2005-2009
Eteläesplanadi 18, fire safety design for project planning phase	2008
Salmisaarentalo, alteration and renovation, fire safety consultation	2008
Pilke, Rovaniemi, office building for ministry of wood, smoke extraction design	2009
Skanska Ruskeasuo, Helsinki, third party inspection for fire safety design	2010
Köydenpunojankatu 2, fire technical consultation on evacuation of canteen	2011
Hedengren, Lauttasaari, alteration, fire safety design	2011-2012
Porkkalantalo, fire safety consultation on smoke extraction and evacuation routes	2011-2012
Sairaalaparkki office building, Lahti, fire safety design	2012
Sola Business Park, 30000m ² , Espoo, fire safety design	2011-2012
Aleksanterinkatu 7, change and renovation, fire safety engineering	2013-2014
Akavatalo, Helsinki, renovation, fire safety engineering	2013-2014
Embassy of Canada, Helsinki, statement on fire compartment doors	2013
KOy OPK-Vallila, Helsinki, 3rd party statement on fire safety engineering	2013-2014
Folkhälsan, Helsinki, renovation, fire safety engineering	2013
Ydinturvatalo, Espoo, fire safety engineering	2014-2015
Haapaniemenkatu 4, Helsinki, fire safety engineering	2014-2015
Eteläesplanadi 18, fire safety design	2015
Senate Properties, Lappeenranta office building, refurbishment, fire safety design	2015-2018
Mikonkatu 9, Helsinki, fire safety design	2016-2017
HHR (Helsinki Highrise), competition phase, 25-storey office building, fire safety solutions	2017-2018
Senate Properties, Lappeenranta office building, new building, fire safety design	2017-2020
Yle Small Workshop, Helsinki, offices and studios, new building, fire safety design	2018-2019
Wärtsilä Office, Vaasa, office building, new building, fire safety design	2018-2021
Technopolis Innopoli, Phase 2, Espoo, fire safety design	2019-2021
SSAB, Hämeenlinna, office building, new building, fire safety design	2020-2021
Senate Properties, office blocks (2 units), refurbishment project planning, Helsinki	2020-
Technopolis Innopoli, Phase 3, Espoo, fire safety design	2022-
Kotka City Hall, study on compartmentation and means of egress	2022
Karihaara office building, Kemi, fire safety design	2022-2023
Pasila Central Tower, 144 m high office building, fire safety design, performance-based fire design	2022-
Autotalo block, Helsinki, zoning-phase fire safety design	2024-2025
Fabianinkatu 23, project development phase fire safety design	2025
Kerava Energy, new office building, fire safety design 2024 Hila, Helsinki, third-party review of fire safety design	2024-2025

Sports halls and similar

Laune ice hockey hall, Lahti, statement on fire safety and evacuation simulation	2007
Skiing hall, Helsinki, fire safety design	2008-2009
Myllypuro football hall, Helsinki, fire safety design	2008-2009
Myllypuron ice sports center, fire safety consultation for project design phase	2009
Lappeenranta training ice hockey hall, fire safety design	2010
Ylöjärvi sports hall alteration and enlargement, fire safety consultation	2011
Elixia Tikkurila, gym building, alteration, fire safety consultation	2011-2012
Leppävaara swimming hall, enlargement and alteration, fire safety consultation	2011-2012
Karstula ice hockey hall, evacuation simulations	2013
Velodrome & Sports Arena, Helsinki, project planning phase, fire safety consultation	2013
Seasongolf, golf hall, fire safety design and fire simulations	2016-2021
Janus RC Hall, Vantaa, fire safety design	2016



Curriculum Vitae

Hippos, Jyväskylä: ice arena, training ice rink, arena centre, offices, ball sports hall and athletics hall, sports research facilities, gymnastics hall, football hall, parking building and parking facilities, total approx. 200,000 m ²	2018–2019
Unisport, Kuopio football hall, fire safety design, fire simulations	2018–2019
Unisport, Joensuu football hall, fire safety design	2018
Unisport, Vallilanlaakso football hall, fire safety design, fire simulations	2019
Jätkäsaari football hall and clubhouse, fire safety design, fire simulations	2019–2020
Karin Campus, Rauma, swimming hall and sports hall, fire safety design	2019–2021
Vaasa Energy Arena, façade fire safety and smoke control analysis using fire simulations	2020–2025
Padel hall, Nokia, fire safety design and fire simulations	2021
Padel hall, Mikkeli, fire design of steel structures, fire simulations	2021
GoPadel Tammissaari, fire design of steel structures, fire simulations	2021
Ekenäs Tennishall Ab, padel hall, fire design of steel structures, fire simulations	2021
Laajasalo sports hall, extension, fire design of steel structures, fire simulations	2021–2022
Sotkamo pesäpallo stadium, egress arrangements, evacuation simulations	2022
Padel hall, Pori, fire safety design and fire simulations, consulting	2022
Tali tennis hall, Helsinki, extension, performance-based fire design	2023
Kerava–Sipoo sports halls, performance-based fire design	2024–2025
Kivikko ski tunnel conversion to ice arena, performance-based fire design	2023–2025
Lempäälä ice arena extension, fire safety design	2024
West Vantaa tennis centre, performance-based fire design	2024
New swimming hall, Nokia, project planning and fire safety design	2023
Oulunkylä temporary spectator stand, performance-based fire design	2025
Perho sports hall, performance-based fire design	2023
PPJ football hall, Lauttasaari, Helsinki, fire safety design	2024
Rosegarden sports halls, Espoo, performance-based fire design	2023–2024
Seasongolf, Espoo, extension, fire safety design	2024

Other

Statement for safety distance of Misa stove	2007
Finnforest, development project for wood construction	2009–2012
Arabiankeskus, Mediafactory, fire safety consultation for a laser cutter room	2012
Fire safety planning guide for waste collection suction systems in Jätkäsaari and Kalasatama, Helsinki	2012
Kannusillanmäki, Espoo, fire safety consultation of a rock shelter	2010, 2013
Kapacity Oy, Järvenpää, statement on fire safety of a waste compressor device	2010
Teräselementti research project, Lempäälä	2010
Neapo Oy, Uusikaupunki, fire safety of steel cell element stairway/elevator towers	2010
Arabiankeskus, Mediafactory, fire safety consultation for a laser cutter device	2012
Fire safety design guide for a waste collection system based on suction pipes, Jätkäsaari and Kalasatama areas, Helsinki	2012
Turku University Hospital, Fire investigation via simulations	2012–2013
Fire safety design guide for a waste collection system based on suction pipes, Kruunuvuorenranta area, Helsinki	2014–2015
Hotel Suometunturi, Suometunturi, fire cause investigation – simulation	2018
Karelia University of Applied Sciences, timber-structured additional staircases for apartment buildings, study on fire safety principles and implementation options	2022
Karelia University of Applied Sciences, timber-structured transformer building, fire safety principles and simulations	2022
Best-Hall, airflow analysis of the cavity between double roof structures	2023
Jetta-Talo Oy, fire safety statements on external wall structures	2024
Finnfoam, fire safety statement on roof structure	2024–2025
Ondol floor heating system, fire safety statement	2024
Paroc, fire performance assessment of insulation	2024

