

ELEMATIC

**Beautiful results
with precast.**



We make your dream concrete

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Hämeenlinna Provincial Archive in city of Hämeenlinna, Finland. Architect: Heikkinen-Komonen Architects. Graphics: Aimo Katajamäki, Aimonomia Oy. Builder: Senaatti-kiinteistöt Oy. Constructor: Peab Seicon Oy. Graphic Concrete™ Method for patterned concrete surfaces by Graphic Concrete Ltd. Facade elements supplied by Parma .

■ Precast is building the future

Precast concrete is rapidly becoming one of the dominant ways to build in the modern world. Its core strength lies in its ability to keep up with the changing expectations of global construction, from market challenges to new performance and safety requirements.

At the same time precast concrete solutions leave a substantially smaller environmental footprint than other building construction methods, thanks to increased recycled content and proven production processes. For builders and architects, the inherent benefits are improved economies of scale, faster construction times, and the opportunity to make your dream concrete.

As the world's leading one-stop-supplier of precast concrete technology, we at Elematic want to help you see the full potential of precast building construction. That is why we made this book – to offer you a definitive overview of what you can accomplish with the latest technologies. We trust that each image will say a thousand words on the wondrous beauty and functionality of precast concrete.

Enjoy!



Apartments and condominiums

Condominiums in Helsinki, Finland.
Architect: Gullichsen - Vormala Arkkitehdit.
Builder: YIT Yhtymä. Full precast
supplied by Parma.



Apartments in Dubai,
United Arab Emirates.
Precast supplied by
United Precast Concrete.



Condominiums in Millennium
Heights, St. Michael, Barbados,
West Indies. Architect: SRM
Architects. Builder: Jada
Builders. Full precast supplied
by Preconco Limited.



Condominiums of Maakri in Tallinn, Estonia.
Architect: arhitektibüroo Ehala and Irik.
Precast supplied by
E-Betoonelement.



Apartment buildings in Dubai, United Arab Emirates.
Precast supplied by United Precast Concrete.
Products used: external cladding,
white sand blast finish,
hollow-core slabs
and beams.

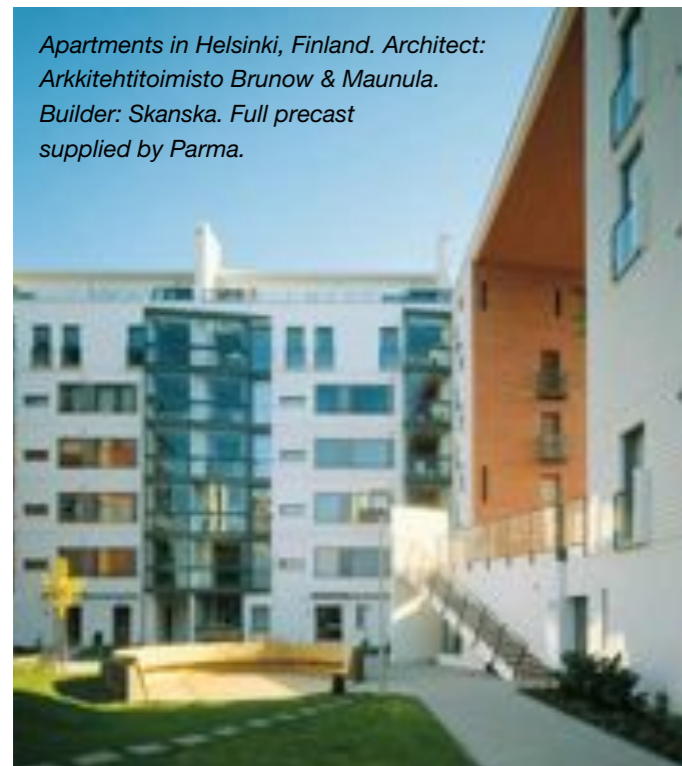


Apartments in Kuala Lumpur, Malaysia.
Acotec non load-bearing walls
supplied by PJD Malta.

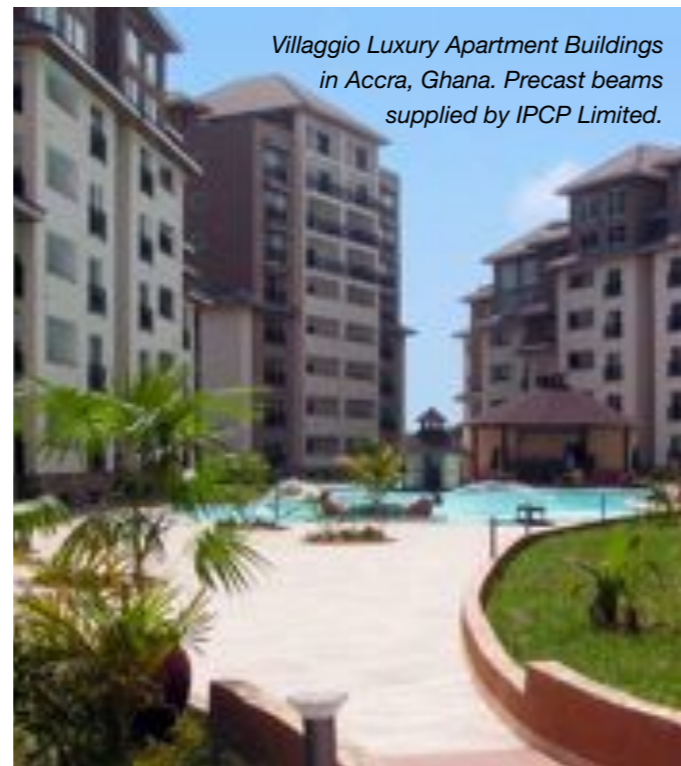
Apartments and condominiums



South Ocean Villas in Hastings, Christ Church, Barbados, West Indies. Architect: Architects Morrison & Associates. Builder: Benchmark Construction – Andrew Scantlebury. Full precast supplied by Preconco Limited.



Apartments in Helsinki, Finland. Architect: Arkkitehtitoimisto Brunow & Maunula. Builder: Skanska. Full precast supplied by Parma.



Villaggio Luxury Apartment Buildings in Accra, Ghana. Precast beams supplied by IPCP Limited.



Apartments in Tallinn, Estonia. Architect: Meeli Truu and Andres Saar, Arhitektuuribüroo Nord Projekt. Builder: TTP. Precast supplied by E-Betonelement.



Apartments in Xinjiang County, China. Acotec non load-bearing walls supplied by Xinjiang Urban.



Apartments in the USA.

Villas and houses



Millennium Heights Town Houses in St. Michael, Barbados, West Indies. Architect: SRM Architects. Builder: Jada Builders. Full precast supplied by Preconco Limited.

Single family house in Merirahu, Estonia. Architect: Tarmo Piirmets, Pink. Builder: E-Betoelement. Precast supplied by E-Betoelement.



Levin Kaakkuri, the alpine houses in Levi, Finland. Full precast supplied and installed by Ylitornion Betonituote YBT.



Single family house in Vaasa, Finland. Full precast supplied by Betoniluoma.



Low cost villa in Dubai, United Arab Emirates. Precast supplied by United Precast Concrete.



Villas in Kuala Lumpur, Malaysia. Acotec non load-bearing walls supplied by PJD Malta.



Affordable Income Housing Development in Cane Hill Terrace, St. Thomas, Barbados, West Indies. Builder: Spring Homes Limited. Precast supplied by Preconco Limited. Products used: floors, walls, columns, beams and stairs.

Offices



*Al Salam Tower in Dubai,
United Arab Emirates.
Precast supplied by
United Precast Concrete.*



*Royal Bank Of Canada in Sunset Crest, St. James, Barbados,
West Indies. Builder: G.H. Construction. Full precast supplied
by Preconco Limited.*



*Transamerica Tower in San Francisco, California, USA.
Architect: Johnson Fain and Pereira Associates.
Precast supplied by Dura Art Stone. Products used:
cladding panels and facades.*

*Biomedicum Helsinki, University of Helsinki, Finland.
Architect: Gullichsen - Vormala Arkkitehdit.
Builder: SRV Viitosest. Full precast supplied by Parma.*



Hotels

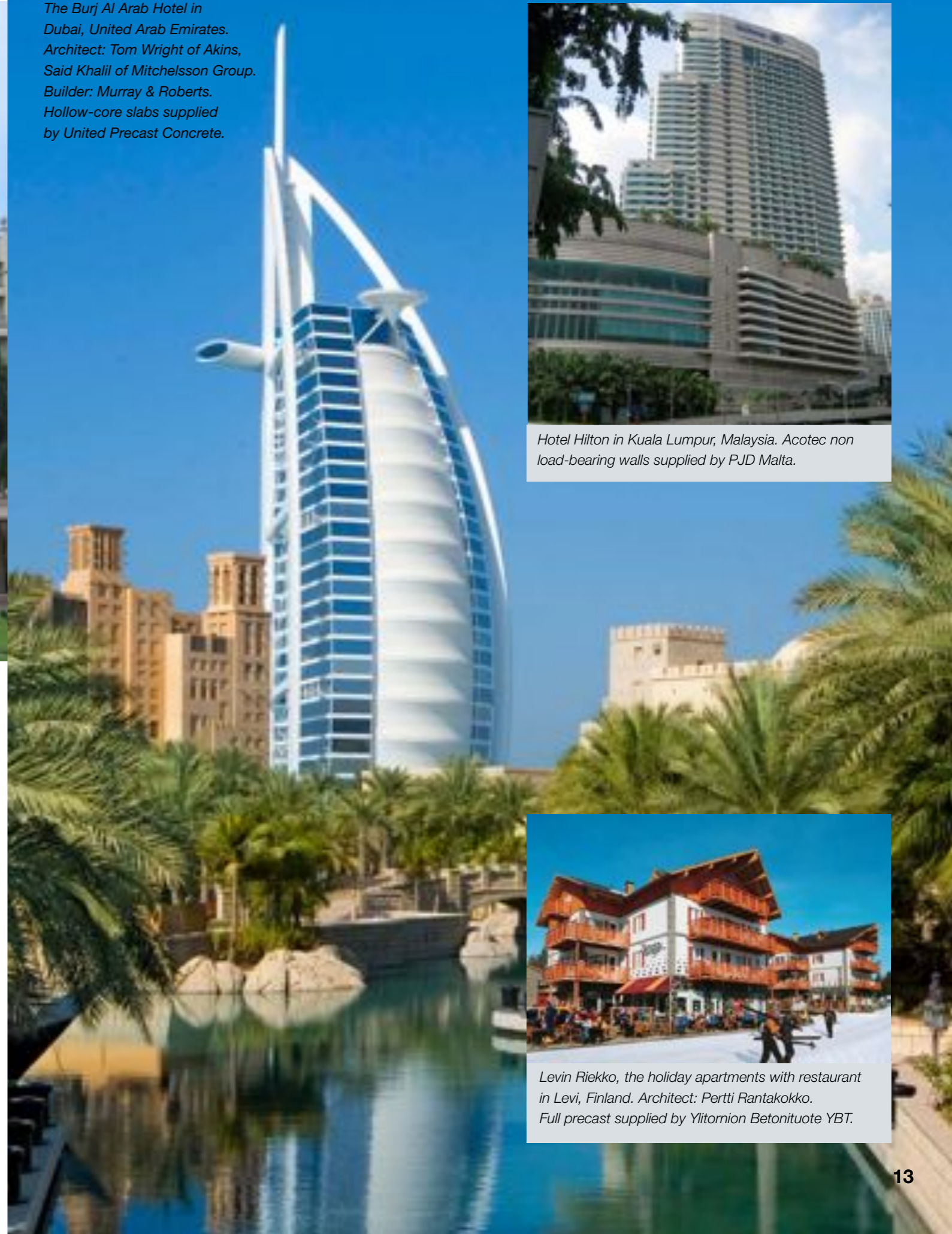


Hotel Palace of the Golden Horses in Kuala Lumpur, Malaysia. Acotec non load-bearing walls supplied by PJD Malta.



MGM Grand Hotel in Las Vegas, USA. Architect: Veldon-Simpson Architect, Inc. Precast supplied by PCL Construction Services.

The Burj Al Arab Hotel in Dubai, United Arab Emirates. Architect: Tom Wright of Akins, Said Khalil of Mitchelsson Group. Builder: Murray & Roberts. Hollow-core slabs supplied by United Precast Concrete.



Hotel Hilton in Kuala Lumpur, Malaysia. Acotec non load-bearing walls supplied by PJD Malta.



Levin Riekko, the holiday apartments with restaurant in Levi, Finland. Architect: Pertti Rantakokko. Full precast supplied by Ylitornion Betonituote YBT.

Education and culture



*The Sydney Opera House in Sydney, New South Wales, Australia.
Architect: Jørn Utzon. Concrete frame and precast concrete ribbed
roof supplied by Baulder Stone Hornibrook Group.*



*University of Oulu, Finland. Architect: Arkkitehtisuunnittelu
Virta-Palaste-Leinonen. Builder: NCC-Puolimatka.
Full precast supplied by Parma.*



*School in Rocca al Mare, Estonia. Architect: Ülo Peil, Architecture
Office Urbel and Peil. Builder: KMG Ehitus AS. Precast supplied
by E-Betoonelement.*



*American British School in Dubai, United Arab Emirates.
Precast supplied by United Precast Concrete. Products used:
external cladding, white sand blast finish.*



*Clico Center for Teaching Excellence, University of the West
Indies, St. Michael, Barbados, West Indies. Architect: Architects
Morrison & Associates. Precast supplied by Preconco Limited.*

*The Oslo Opera House in Norway. Architect: Arkitektkontoret Snøhetta AS.
Builder: Veidekke. Hollow-core slabs supplied and installed
by Spenncon AS Hønefoss Norway.*



Public buildings



Lloyd D. George United States Courthouse in Las Vegas, USA. Architect: Dworsky Associates, Design Architect; Langdon Wilson Architects, Executive Architect. Precast supplied by Clark Pacific.

Washington County Fair Park in West Bend, Wisconsin, USA. Architect: Hornberger + Worstell. Products used: sandwich panels.



Mosque in Dubai, United Arab Emirates. Precast supplied by United Precast Concrete. Products used: hollow-core slabs.

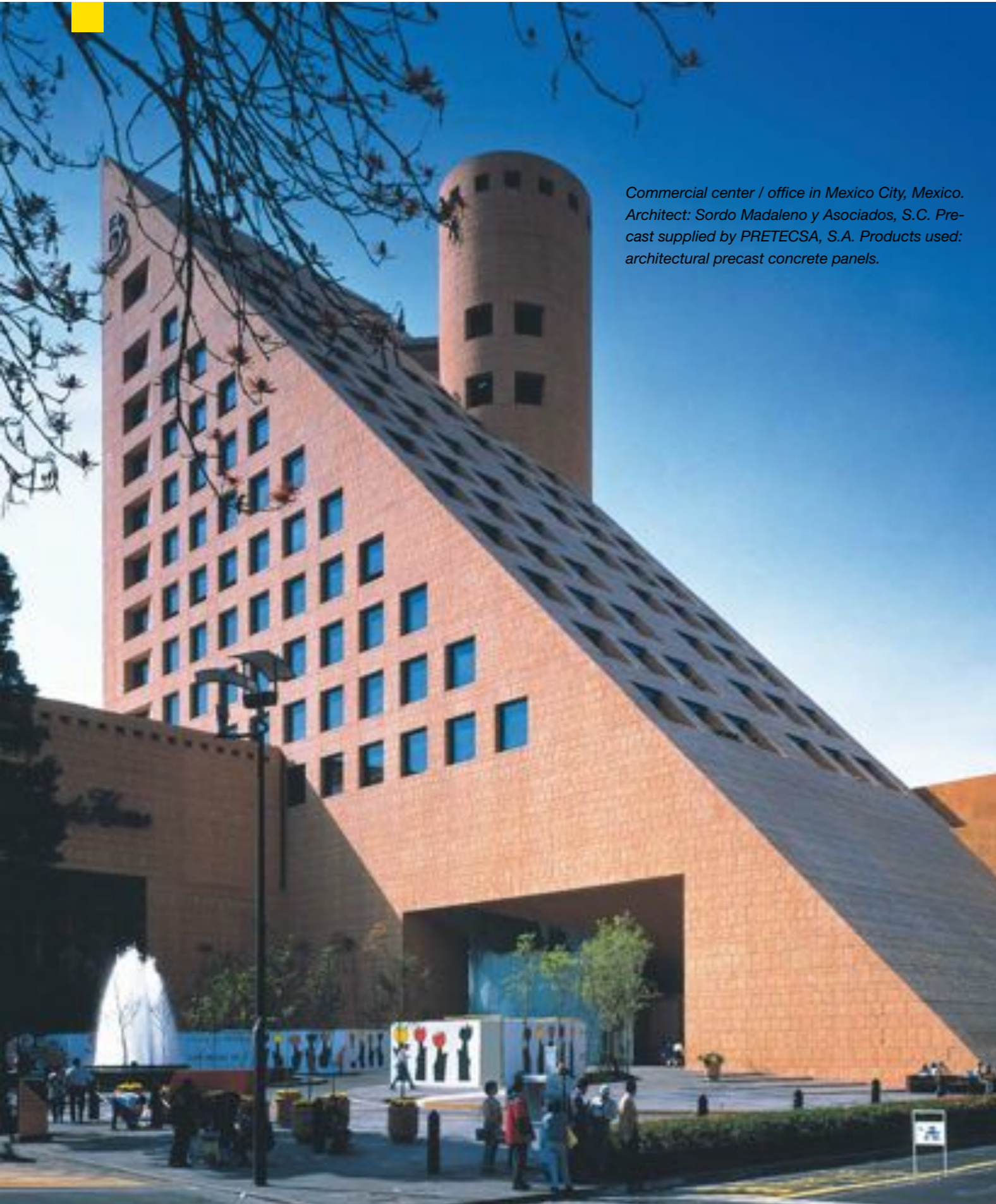


Swimming complex in Scandinavia.



Jalkaranta Hospital in Lahti, Finland. Architect: Arkkisto Paatela - Paatela & Co. Full precast supplied by Parma.

Shopping centers



*Commercial center / office in Mexico City, Mexico.
Architect: Sordo Madaleno y Asociados, S.C. Precast supplied by PRETECSA, S.A. Products used: architectural precast concrete panels.*



*Department store in Tartu, Estonia.
Architect: Raivo Puusepp, Architecture Office Raivo Puusepp. Builder: Skanska EMV. Precast supplied by E-Betoonelement.*



*Siwa shop in Kemi, Finland.
Full precast supplied and installed by Ylitornion Betonituote YBT.*



*Mall of the Emirates in Dubai, United Arab Emirates.
Precast supplied by United Precast Concrete.*

Factories and warehouses



Pulp factory in Rauma, Finland. Architect: UKI-Arkkihtedit. Builder: Hartela. Full precast supplied by Parma.



Logistics center in Mäntsälä, Finland. Architect: VG-Group. Builder: OKA. Full precast supplied by Parma.



Würth's logistics warehouse in Tallinn, Estonia. Precast supplied by E-Betonelement.

Car parks



*Almoayed car park in Dubai, United Arab Emirates.
Hollow-core slabs supplied by United Precast Concrete.*



Car park at Helsinki-Vantaa airport, Finland. Architect: PES-Arkkitehdit. Full precast supplied by Parma.



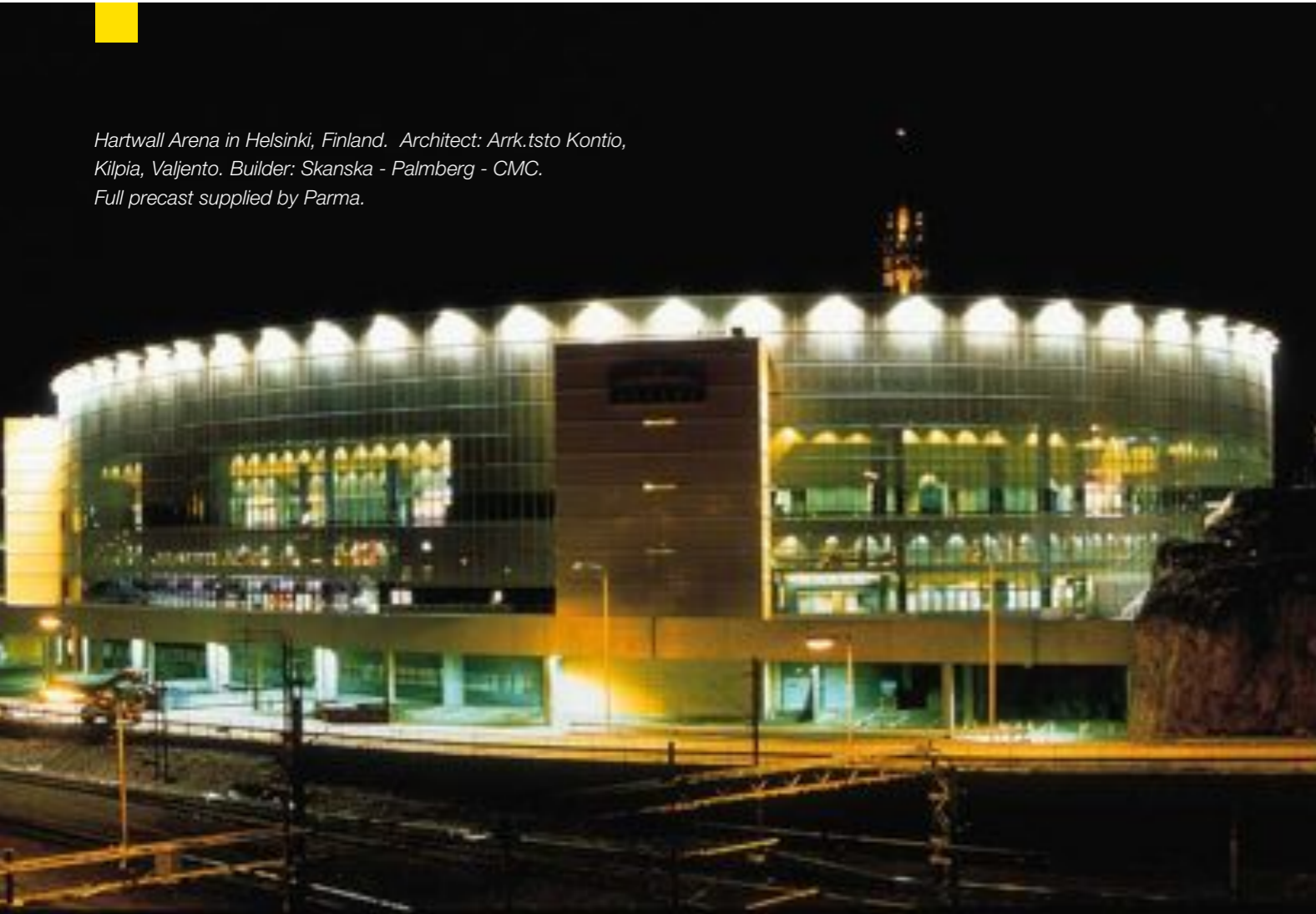
Car park in Heekplein, The Netherlands. Hollow-core slabs supplied by VBI.



Hull Street Parking Deck in Athens, Georgia, USA. Architect: Smallwood, Reynolds, Stewart, Stewart & Associates, Inc. Full precast supplied by Metromont Corporation.

Sport arenas

Hartwall Arena in Helsinki, Finland. Architect: Arkk.tsto Kontio, Kilpia, Valjento. Builder: Skanska - Palmberg - CMC. Full precast supplied by Parma.



Kohl Center adjoin Nichols-Johnson Pavilion in University of Wisconsin-Madison, USA. Architect: Hellmuth, Obata & Kassabaum, P.C. and Heinlein and Schrock. Precast supplied by Gate Precast. Products used: art wall sculpture; main facade of 27-story.



Stadium in Norway.

Lion Castle Polo Club House in St. Thomas, Barbados, West Indies. Architect: Architect Morrison & Associates. Precast supplied by Preconco Limited.



Sports hall in Rakvere, Estonia. Architect: Andres Kask, Architecture Office Rabatron Projekt. Builder: FKSM. Precast supplied by E-Betonelement.

Infrastructure



Sound barrier in Europe.



Soundwall in Maryland Route 216, USA. Graphic art panels supplied by Concrete Solutions, Inc.



Clover leaf at the intersection of the A15/A16 motorways in Ridderkerk, The Netherlands. Precast supplied by Spanbeton.



Sound barrier in Espoo, Finland. Architect: Ramboll Finland. Graphic Concrete™ Method for patterned concrete surfaces by Graphic Concrete Ltd. Precast supplied by Parma.



Railway sleepers in Finland. Sleepers supplied by Parma.



Road bridge in Styrnäs, Sweden. Precast supplied by Strängbetong.

Other

The Kuala Lumpur Tower (officially known as Menara) in Kuala Lumpur, Malaysia. Architect: Kumpulan Senireka Sdn. Bhd. Hollow-core slabs for the parking garage floors supplied by Eastern Pretech.



DIFC Gate Village in Dubai, United Arab Emirates. Precast supplied by United Precast Concrete. Products used: external cladding.



Control tower at Arlanda airport in Sweden. Architect: Wingårdh Arkitektkontor AB. Sandwich elements supplied by Strängbetong.

Contributors

Boulderstone Hornibrook Group, Australia

www.boulderstone.com.au

Betoniluoma Oy, Finland

www.betoniluoma.com

Clark Pacific, USA

www.clarkpacific.com

Concrete Solutions, Inc. (CSI), USA

www.soundsorb.com

Dura Art Stone, USA

www.duraartstone.com

Eastern Pretech Sdn. Bhd., Malaysia

www.epmsb.com.my

AS E-Betonelement, Estonia

www.betonelement.ee

Gate Precast, USA

www.gateprecast.com

Graphic Concrete Ltd., Finland

www.graphicconcrete.com

IPCP Limited, Ghana

www.trasaccoproducts.com

Parma Oy, Finland

www.parma.fi

PJDCP Malta Sdn. Bhd., Malaysia

www.pjdcpmalta.com

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www.strangbetong.se

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www.unitedprecast.com

VBI Verenigde Bouwprodukten Industrie BV, Netherlands

www.vbi.nl

Xinjiang Urban Construction Co.,Ltd, China

www.xjcj.com

Ylitornion Betonituote YBT Oy, Finland

www.ybt.fi

Elematic is the world's leading supplier of precast concrete machinery and equipment, production lines and complete production plants. The superior technology and industry expertise of Elematic is currently at work in more than 90 countries, across five continents.

Elematic Group comprises Elematic Oy Ab with daughter companies in the USA (Elematic Inc), Germany (Elematic GmbH) and Russia (OOO Elematic), a regional sales office in France and a sales office and service center in Dubai, UAE.



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