WALLTOPIA

Outdoor climbing walls

REFERENCE LIST



BEHIND THE WALLS

Materials

Outdoor climbing structures bear loads of climbing activities similar to any other climbing wall but on top of that they have to be able to resist weather impact. Building a structure exposed to the elements means that additional factors such as snow and wind loads, effects of rain and sun exposure, temperature changes and others have to be taken into consideration. In order to make an outdoor structure suitable for use and ensure appropriate longevity, the range of materials is different from the ones used for indoor climbing structures.

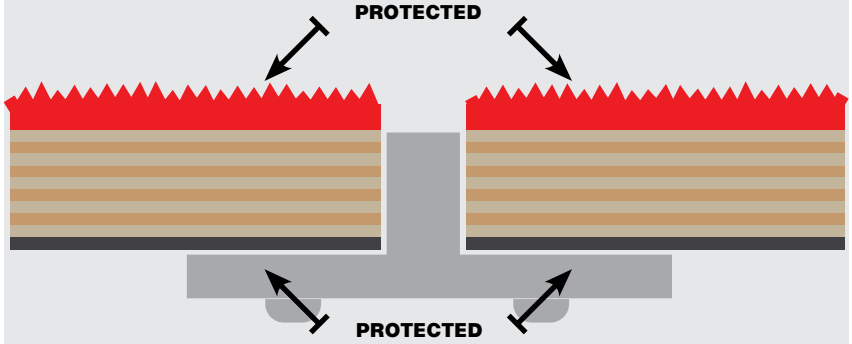


OUTDOOR CLIMBING WALL PANELS

Walltopia Premium Panels

Introducing a new technology, not familiar to the climbing industry to date, the Walltopia Premium Outdoor Panels are highly durable and weatherproof, resistant to impact, infiltration, heat and fire. The material does not change its characteristics over time while offering the precision, automation and speed of plywood production. Walltopia premium panels are also very easy for maintainance compared to fiberglass as they allow change of individual panels with precise dimension up to 1 mm.



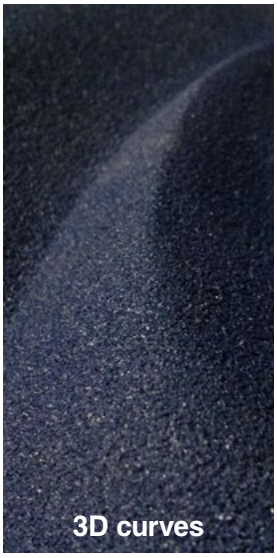


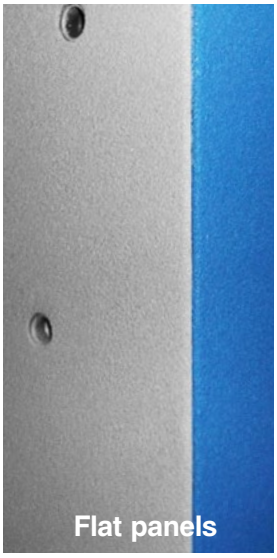
Impregnated plywood

IMPREGNATED PLYWOOD

It's not a common practice in the industry to impregnate the back of the plywood panels installed outdoors. This can be very damaging as the humidity can spread within the panel and dramatically shorten its lifespan. This is why we impregnate the back side of the panels for outdoor climbing walls just as well, giving them better protection from the contact with the elements. However, plywood is not completely weatherproof and does have a shorter lifespan compared to fiberglass and Walltopia premium outdoor panels.







FIBERGLASS PANELS

More durable material compared to plywood, fiberglass is 100% water resistant, it does not change its characteristics over time. Fiberglass also gives the freedom to design and produce any imaginary shape including rocklike structures and curves. It lacks the precision of shape achieved witn a CnC machine and doesn't allow painting automation which may lead to color imperfections. Fiberglass needs longer production time compared to plywood and Walltopia premium panels.

Structure

The metal structure of indoor climbing walls is primed and painted, usually with polyurethane or alkyd paint. However, when a climbing wall is set up outdoors, particularly in humid areas, the painted metal can begin to rust within a year.

This leads to the need for regular repainting by the operator, incurring significant annual maintenance costs. To avoid this, we apply hot-dip galvanization to all components of our outdoor metal structures, effectively preventing corrosion. Additionally, all fasteners used in the assembly of these elements are made of stainless steel or are also hot-dip galvanized.



T-nuts

Our outdoor structures are equipped with stainless steel t-nuts to ensure maximum weather resistance.



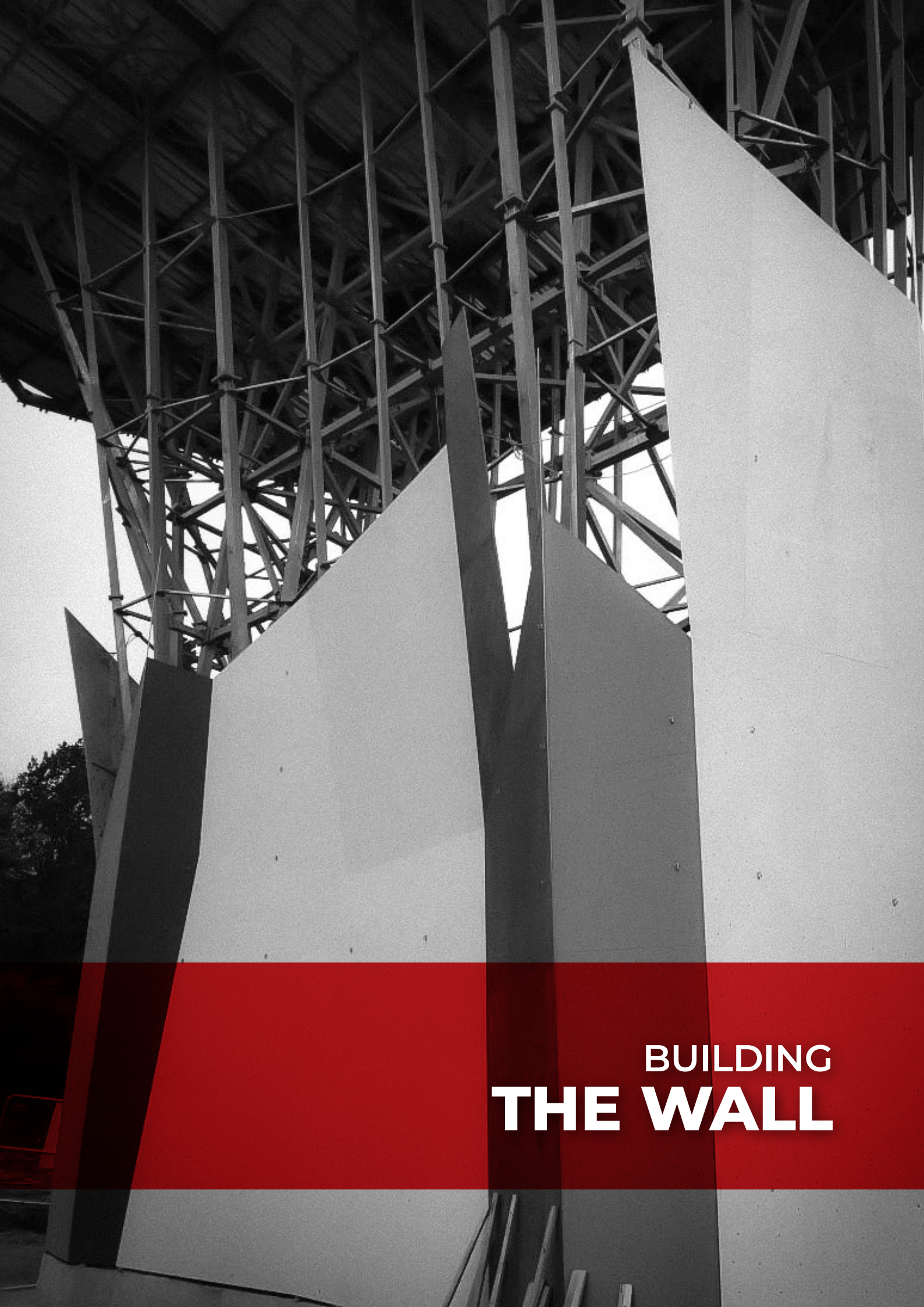


Roofs

Walltopia recommends adding roofs for outdoor climbing walls and boulders. The roof provides protection and longer lifespan of the climbing wall panels and structure and also better customer experience allowing visitors to climb even during bad weather conditions.







BUILDING
THE WALL

The Process

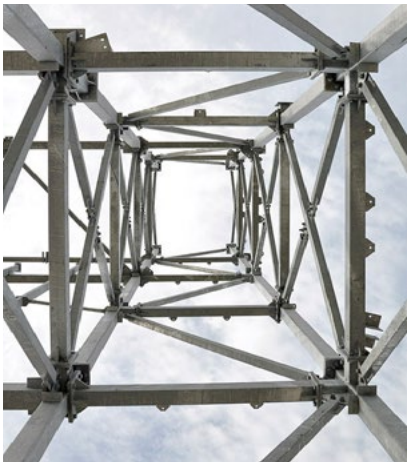
The construction process is illustrated through a project - the outdoor tower at DAV Beckum, Germany. Thanks to our client who documented in detail every step of the process and shared the images with us, we can show you the full process.

1. Delivery of materials





2. Installation of main steel frame


3. Installation of roof steel beams



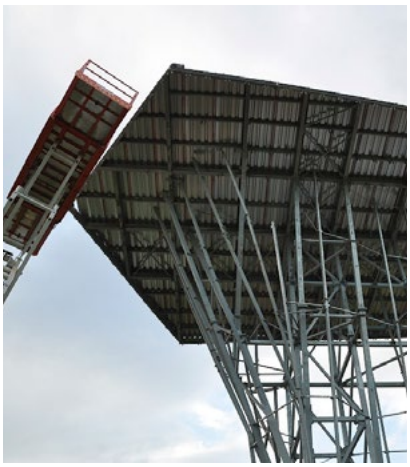


4. Installation of secondary steel columns





5. Installation of roof metal sheets

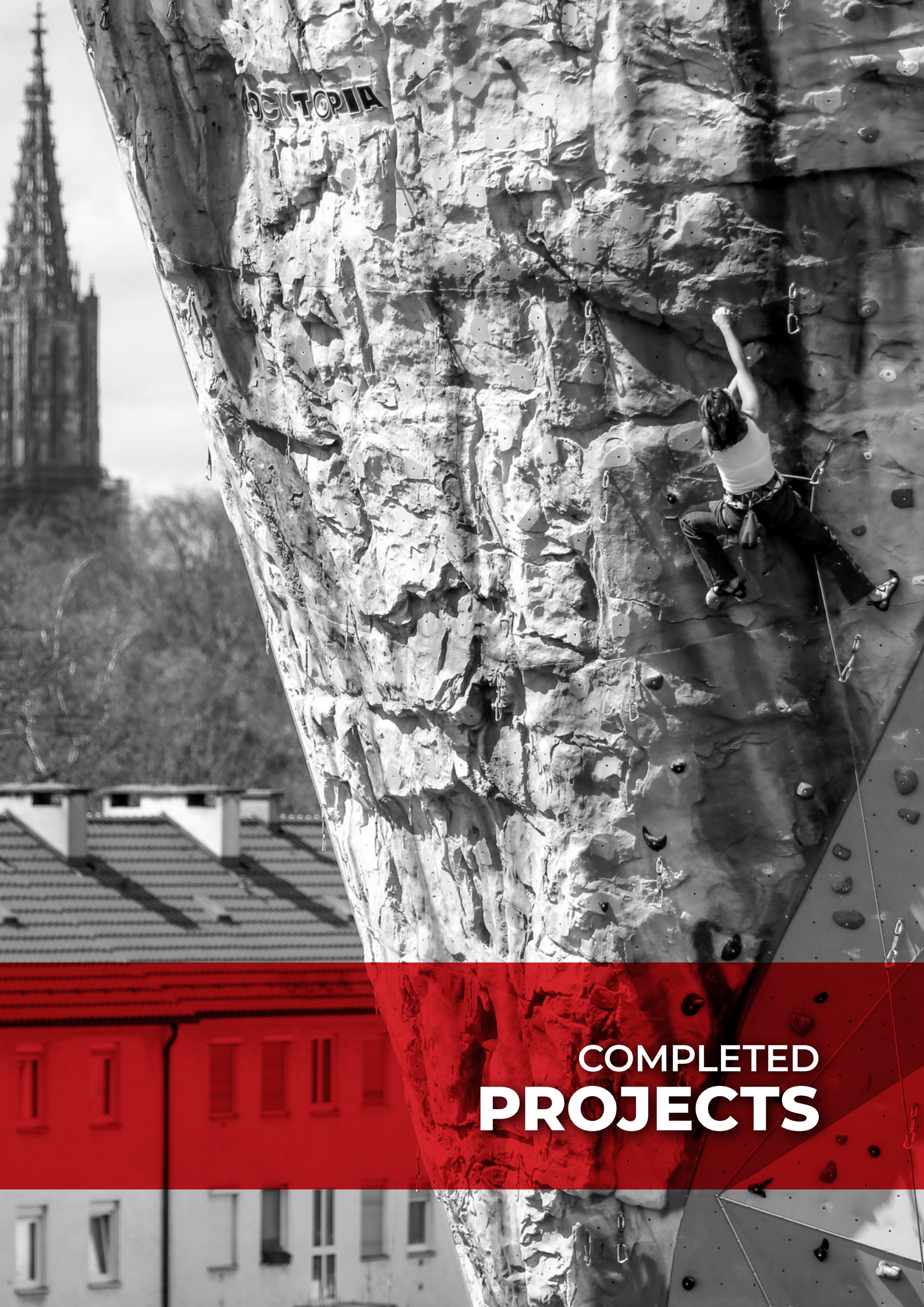




6. Installation of impregnated plywood panels





Photos: DAV Beckum



COMPLETED PROJECTS

Rhiblok

Vaduz, Liechtenstein

Completed	2026
Climbing Area	3 300 m² | 35 520 ft²
Facility	Full Service Climbing Gym

https://www.rhiblok.li/





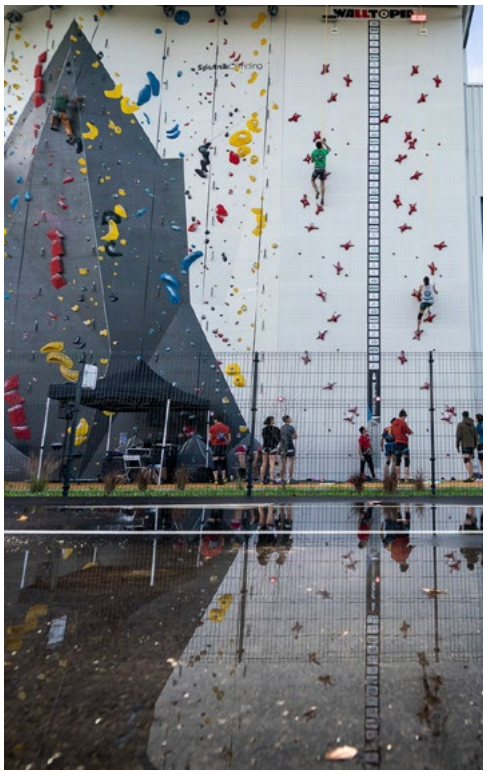
Sputnik Climbing Asturias

Lugones, Spain

Completed	2026
Climbing Area	2,186 m² | 23,530 ft²
Facility	Full Service Climbing Gym

https://sputnikclimbing.com/







BONOBO climbing

Vilnus, Lithuania

Completed	2026
Climbing Area	400 m² | 4 305 ft²
Facility	Muti-sports center

https://www.bonobo.lt/outdoor







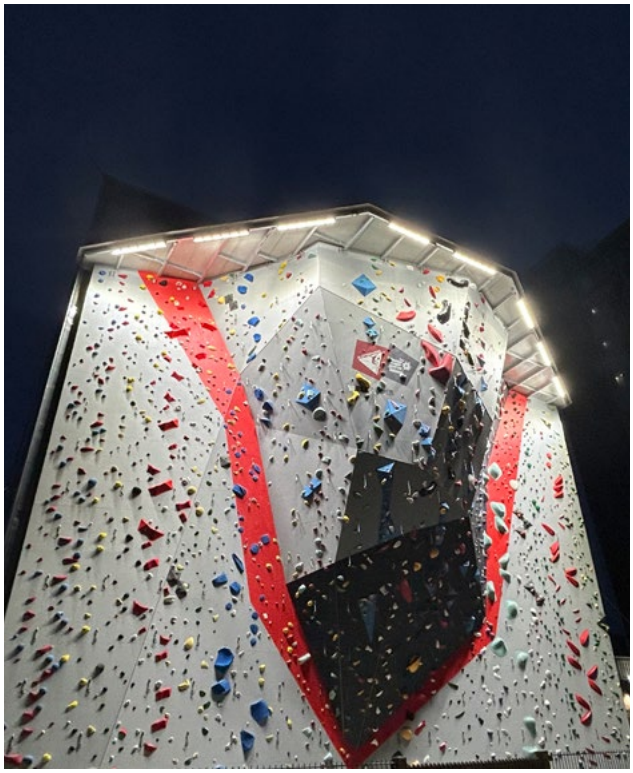
Kletterwerk Radolfzell

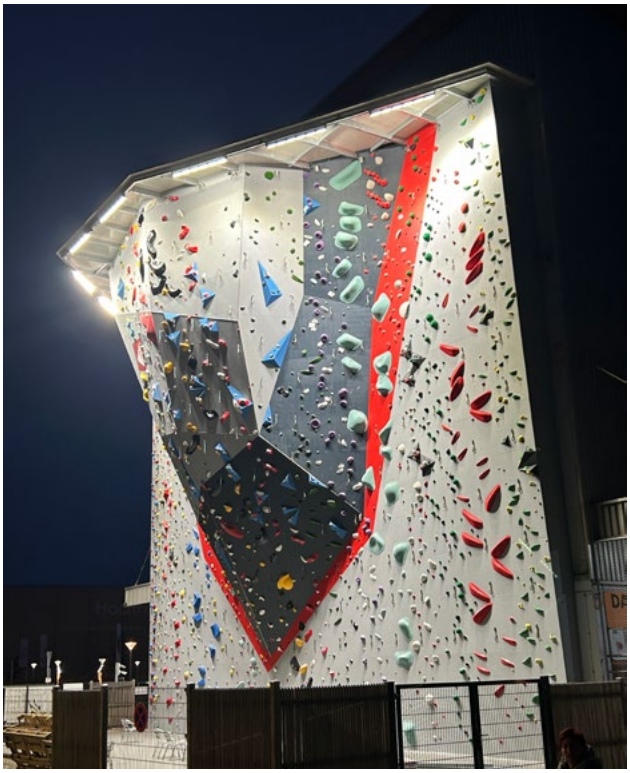
Radolfzell, Germany

Completed	2025
Climbing Area	380 m^2 | 4,090 ft^2
Facility	Full Service Climbing Gym

https://www.kletterwerk.de/







Salewa Cube Varese

Varese, Italy

Completed	2025
Climbing Area	1,353 m² | 14,563 ft²
Facility	Full Service Climbing Gym

https://www.salewa-cube.com/varese





O'Bloc

Ostermundigen, Switzerland

Completed	2024
Climbing Area	2,946 m² | 31,710 ft²
Facility	Full Service Climbing Gym

https://obloc.ch/







Boyce Park Boulders

Pittsburgh, PA, USA

Completed	2024
Facility	Public Park

https://www.alleghenycounty.us/Projects-and-Initiatives/Capital-Projects/Boyce-Park-Pump-Track-and-Climbing-Wall







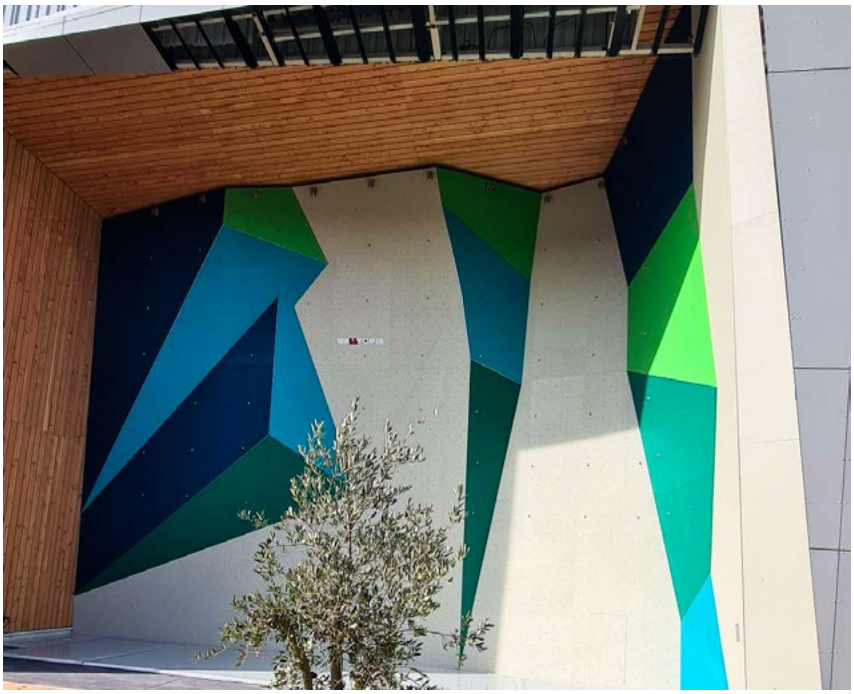
Vertical Park

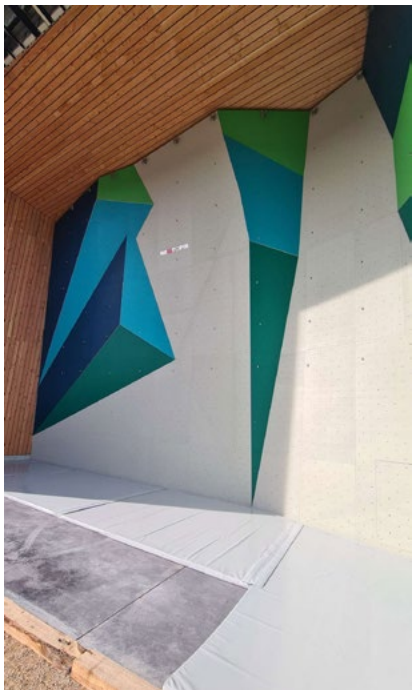
Le Pontet, France

Completed	2025
Climbing Area	2,000 m² | 21,528 ft²
Facility	Full Service Climbing Gym + Adventure Park

https://www.verticalpark.fr/







Allgäu Kaserne Military Tower

Füssen, Germany

Completed	2026
Facility	Military Training Facility









Aprendizes – International Active Learning School

Cascais, Portugal

Completed	2024
Climbing Area	90 m² | 967 ft²
Facility	School Climbing Wall

https://www.aprendizes.pt/







World Climbing Series Krakow 2026

Krakow, Poland

Completed	2026
Facility	Speed Competition Wall

https://youtu.be/AnXAqf_-pYg?si=H44Cae3HD_NDPSQC







World Climbing European Championship Barcelona 2026

Montmelo, Spain

Completed	2026
Climbing Area	100 m² | 1 076 ft²
Facility	Competition Wall







Spanish Climbing Cup Mijas 2025

Mijas, Spain

Completed	2025
Facility	Speed & Bouldering Competition Wall

https://www.youtube.com/watch?v=DJ5kEenSNCw







IFSC World Cup Comunidad de Madrid 2025

Madrid, Spain

Completed	2025
Facility	Lead & Bouldering Competition Wall

https://www.youtube.com/watch?v=DJ5kEenSNCw







IFSC Asian Youth Championships 2025

Guiyang, China

Completed	2025
Climbing Area	1,012 m² | 10,893 ft²
Facility	Competition Climbing Wall

https://www.ifsc-climbing.org/events/ifsc-youth-asian-championships-guiyang-2025







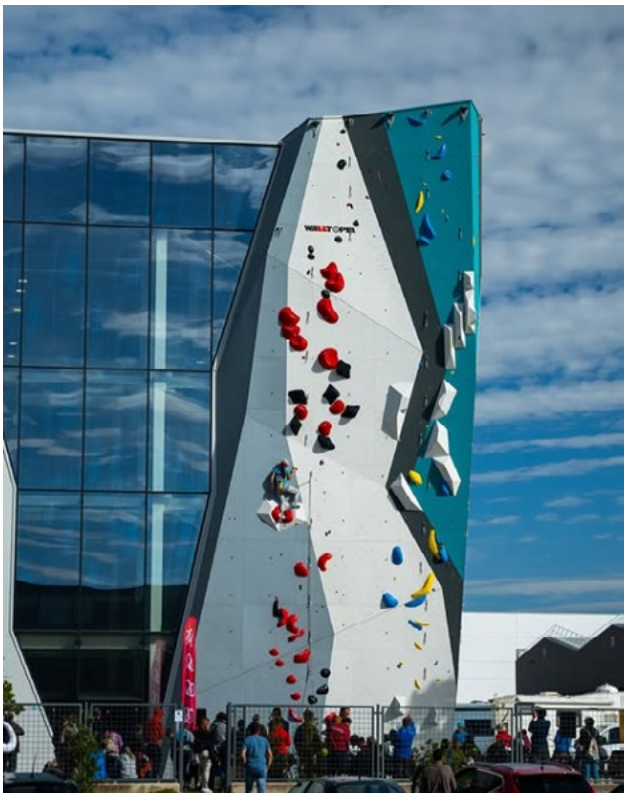
Campo Base

Burgos, Spain

Completed	2023
Climbing Area	1,502 m^2 | 16,167 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

https://campobaseburgos.com







DAV Wangen

Wangen, Germany

Completed	2023
Climbing Area	800 m² | 8,611 ft²
Style	Geome3x
Facility	Outdoor Climbing Tower

https://www.dav-wangen.de/









Die Kletterhalle St. Gallen

St. Gallen, Switzerland

Completed	2022
Climbing Area	1 400 m^2 | 15 070 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.diekletterhalle.ch







NaturFreunde Kletterhalle Dachau

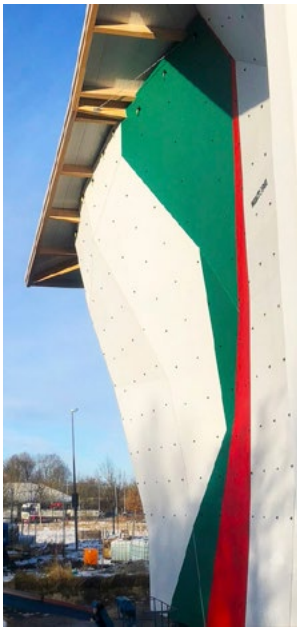
Germany, Dachau

Completed	2021
Climbing Area	1 545 m^2 | 16 630 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.naturfreunde-kletterhalle-dachau.de







DAV Mannheim

Mannheim, Germany

Completed	2021
Climbing Area	872 m² | 9 386 ft²
Style	Geome3x, Natural Wood
Facility	Outdoor Climbing Tower

www.dav-mannheim.de











DAV Memmingen Outdoor Wall

Memmingen, Germany

Completed	2020
Climbing Area	235 m^2 | 2529 ft^2
Style	Geome3x Exterior
Facility	Climbing Gym, Outdoor Wall

www.boulderhalle-memmingen.de



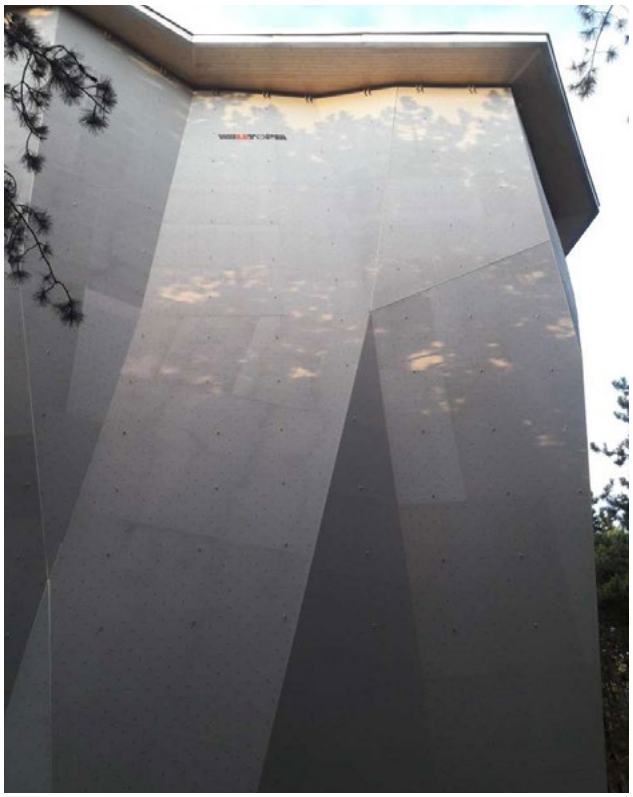
Competition Climbing Center

Belgrade, Serbia

Completed	2021
Climbing Area	1 027 m^2 | 11 054 ft^2
Style	Geome3x
Facility	Training Center & Comp Venue

www.rzsport.gov.rs







OeAV Waizenkirchen

Waizenkirchen, Austria

Completed	2020
Climbing Area	270 m^2 | 2 906 ft^2
Style	Geome3x
Facility	Outdoor Climbing Tower







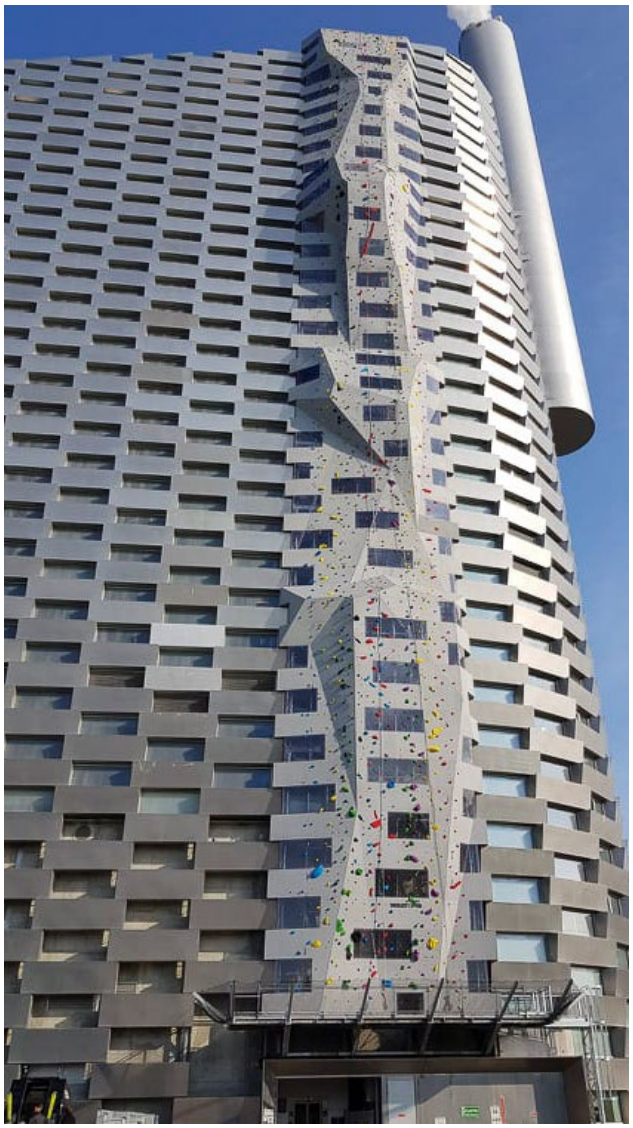


Copen Hill

Copenhagen, Denmark

Completed	2019
Climbing Area	691 m^2 | 7 437 ft^2
Style	Geome3x
Facility	Facade Climbing Wall

www.copenhill.dk









Big Wall - Luzhniki

Moscow, Russia

Completed	2019
Climbing Area	900 m^2 | 9 687 ft^2
Style	Geome3x
Facility	Outdoor Climbing Center

www.bigwallsport.ru





Kraftreaktor Lenzburg

Lenzburg, Switzerland

Completed	2021
Climbing Area	1 455 m^2 | 11 517 ft^2
Style	Geome3x, Natural Wood
Facility	Climbing Gym

https://.kraftreaktor.ch







DAV Beckum Outdoor Tower

Beckum, Germany

Completed	2019
Climbing Area	540 m^2 | 5 812 ft^2
Style	Geome3x
Facility	Outdoor Climbing Tower

www.alpenverein-beckum.de









Roccadion

Böblingen, Germany

Completed	2018
Climbing Area	832 m^2 | 8 955 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.roccadion.de





Totem Escalade

Ecublens, Switzerland

Completed	2018
Climbing Area	1 149 m^2 | 12 367 ft^2
Style	Geome3x
Facility	Boulder Gym

www.totem.ch





Bergstation

Hilden, Germany

Completed	2019 / 2016
Climbing Area	2 975 m^2 | 32 022 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.bergstation.nrw

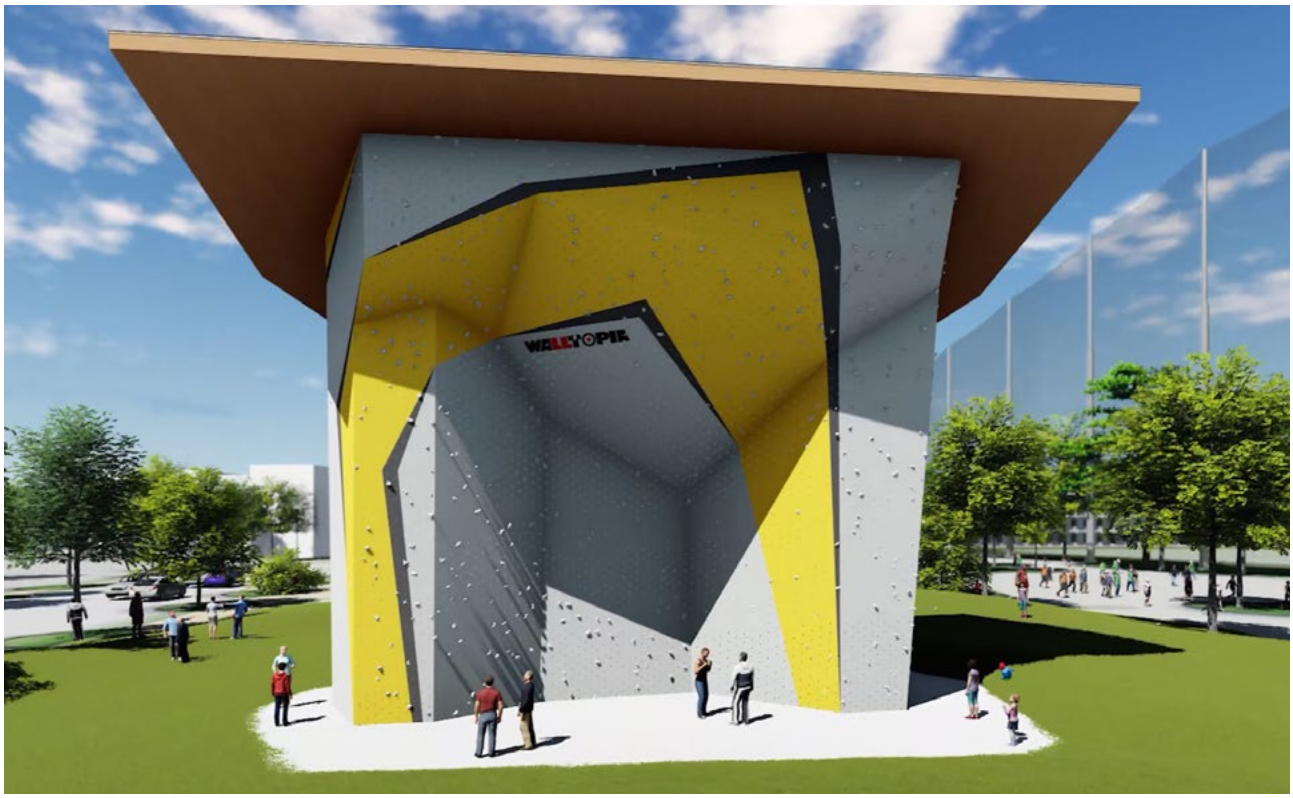


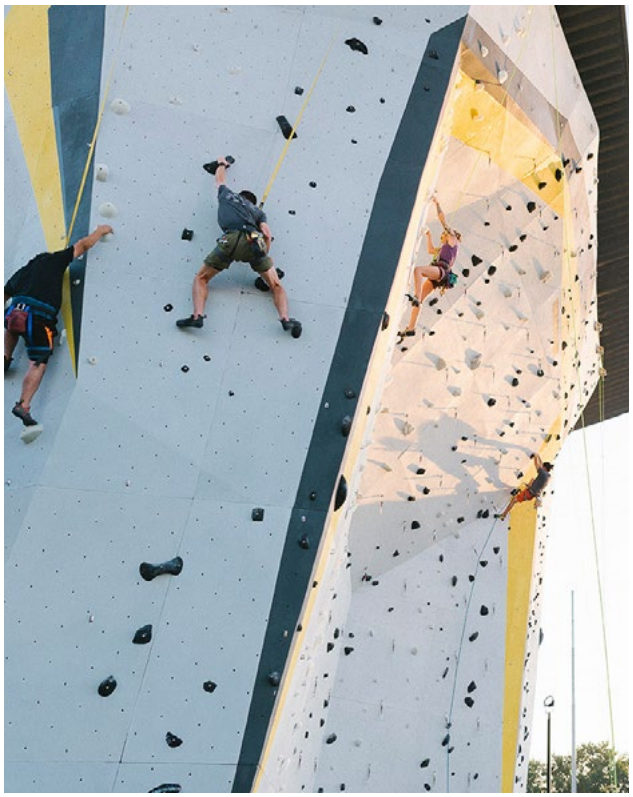
High Point Huntsville

Huntsville, USA

Completed	2018
Climbing Area	2 322 m^2 | 25 000 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.highpointclimbing.com/huntsville







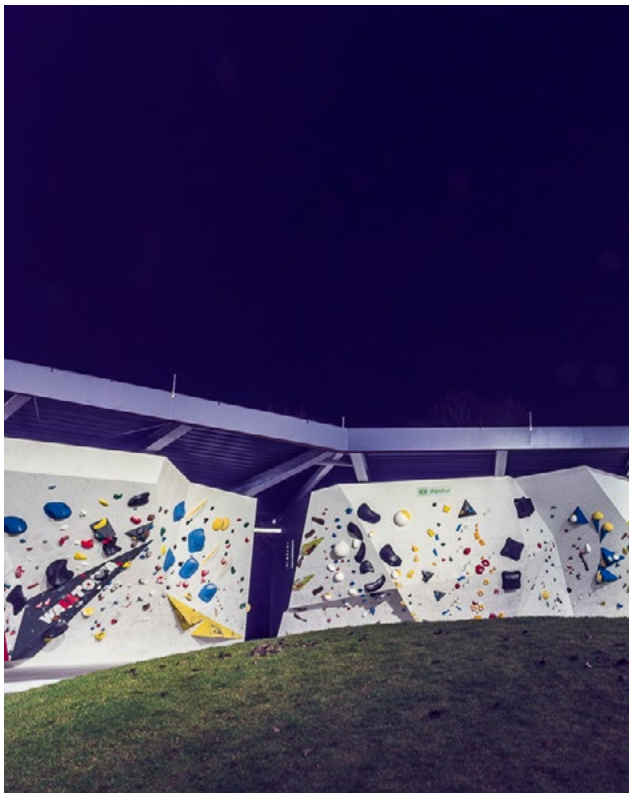
DAV Augsburg

Augsburg, Germany

Completed	2018
Climbing Area	3 200 m^2 | 34 444 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.dav-kletterzentrum-augsburg.de







Liyang Extreme Sports

Henan, China

Completed	2018
Climbing Area	828 m^2 | 8 912 ft^2
Style	Geome3x
Facility	Multisport Facility



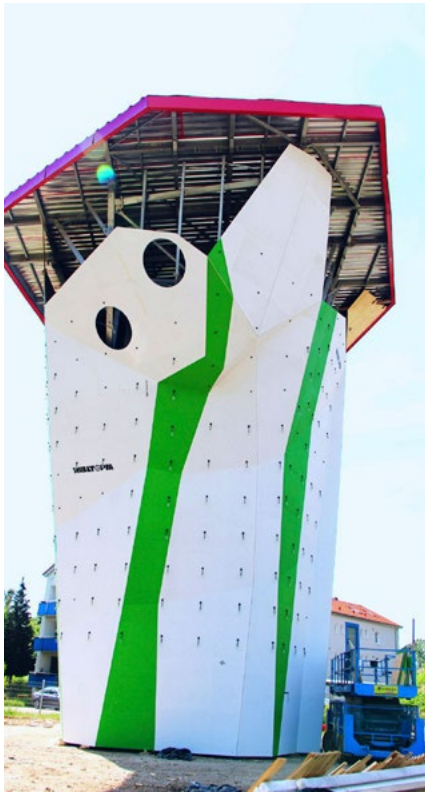


DAV Heilbronn

Heilbronn, Germany

Completed	2018
Climbing Area	573 m^2 | 6 167 ft^2
Style	Geome3x
Facility	Outdoor Climbing Tower

www.dav-heilbronn.de







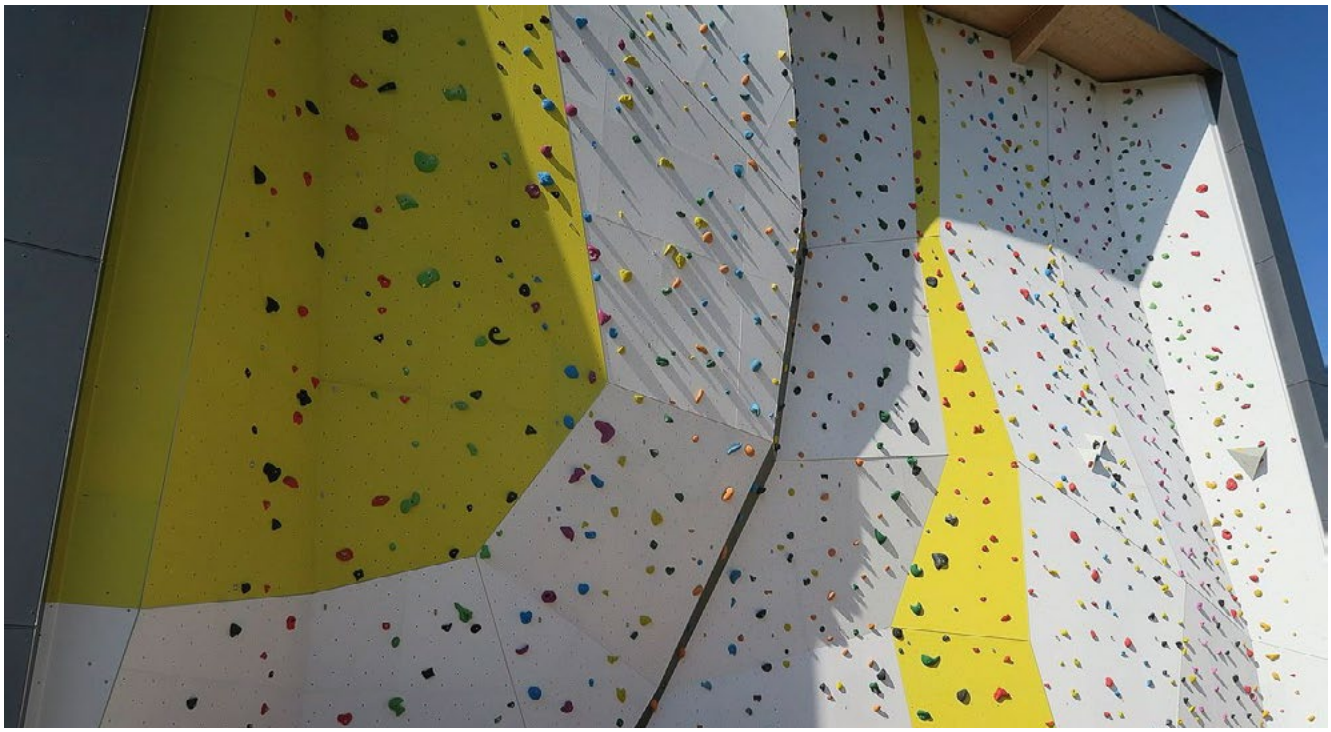
JURABLOC DAV Eichstatt

Eichstätt, Germany

Completed	2018
Climbing Area	300 m^2 | 3 229 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.jurabloc.de





Kletterzentrum Innsbruck

Innsbruck, Austria

Completed	2017
Climbing Area	6 377 m^2 | 68 641 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.kletterzentrum-innsbruck.at





Swoboda Alpin

Kempten, Germany

Completed	2017
Climbing Area	2 048 m2 | 22 044 ft2
Style	Geome3x
Facility	Full Service Climbing Gym

www.dav-kempten.de/swoboda-alpin





Climb Up Aix

Bouc-Bel-Air, France

Completed	2017
Climbing Area	2 800 m^2 | 30 138 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.aix-boucbelair.climb-up.fr







Bergstation Tirol

Telfs, Austria

Completed	2016
Climbing Area	277 m^2 | 2 981 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.bergstation.tirol





Boulderwand Amras

Innsbruck, Austria

Completed	2016
Climbing Area	139 m^2 | 1 496 ft^2
Style	Geome3x, Rocktopia
Facility	Outdoor Playgeround





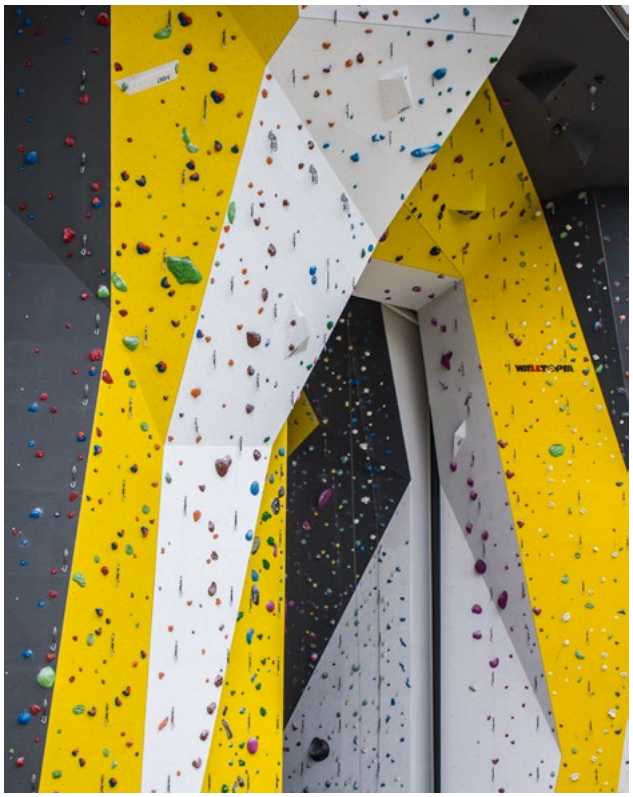
Griffig

Uster, Switzerland

Completed	2015
Climbing Area	660 m^2 | 7 104 ft^2
Style	Geome3x, Rocktopia
Facility	Full Service Climbing Gym

www.griffig.com







Kletterhalle Mondsee OAV

Mondsee, Austria

Completed	2015
Climbing Area	670 m^2 | 7 211 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.kletterhalle-mondsee.at



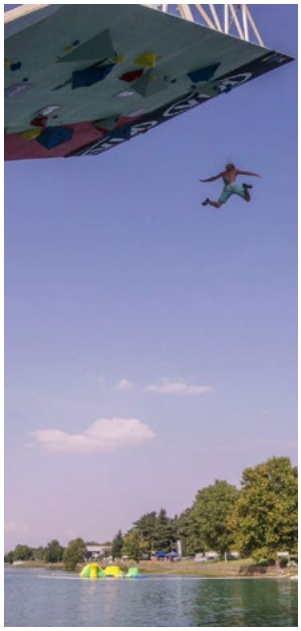
Psicomp MILAN

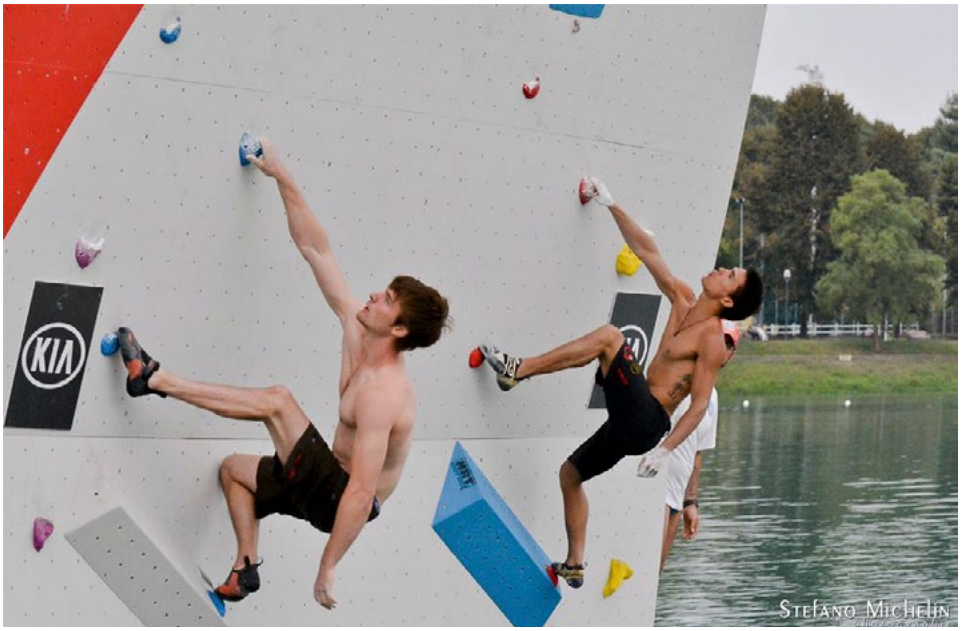
Milan, Italy

Completed	2015
Climbing Area	117 m^2 | 1 259 ft^2
Style	Geome3x
Facility	Comp Wall

www.psicocomp.com/milano-outdoor-games-2015







Kletterzentrum Ap 'n Daun

Chur, Switzerland

Completed	2015
Climbing Area	2 022 m^2 | 21 764 ft^2
Style	Rocktopia, 3D Curves, Geome3x
Facility	Full Service Climbing Gym

www.kletterzentrumchur.ch



The Cliffs Dumbo Boulders

New York, USA

Completed	2015
Climbing Area	453 m^2 | 4 886 ft^2
Style	3D Curves
Facility	Outdoor Boulder Gym

www.dumbo.thecliffsclimbing.com



Climbing Tower Martinique

Martinique Island

Completed	2015
Climbing Area	90 m^2 | 967 ft^2
Style	Geome3x
Facility	Outdoor Climbing Tower



Vaude Headquarters

Tettnang, Germany

Completed	2015
Climbing Area	160 m^2 | 1 722 ft^2
Style	Geome3x
Facility	Climbing Gym

www.vaude.com





Chamonix World Cup

Chamonix, France

Completed	2015
Climbing Area	750 m^2 | 8 037 ft^2
Style	Geome3x
Facility	Competition Wall







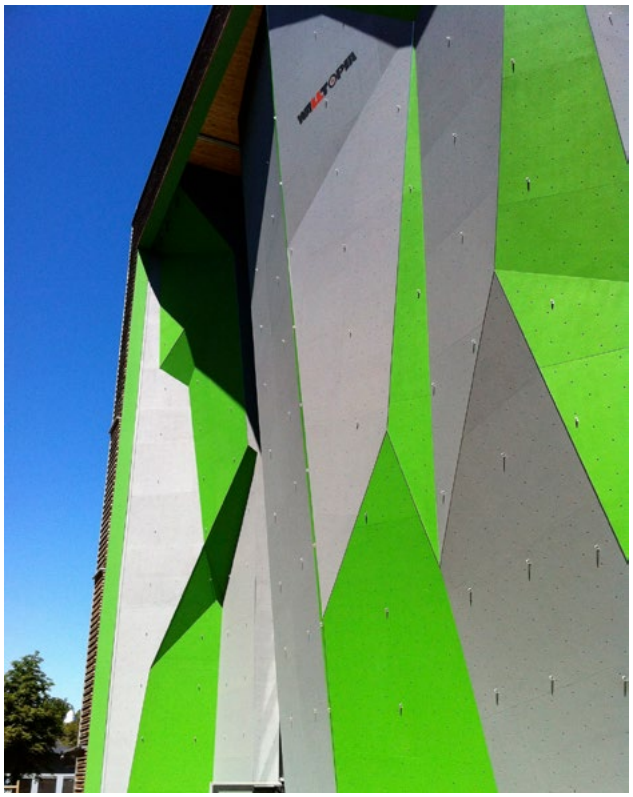
DAV Landshut

Landshut, Germany

Completed	2014
Climbing Area	500 m^2 | 5 382 ft^2
Style	Geome3x
Facility	Facade Climbing Wall

www.alpenverein-landshut.de







Kletterhalle Villach

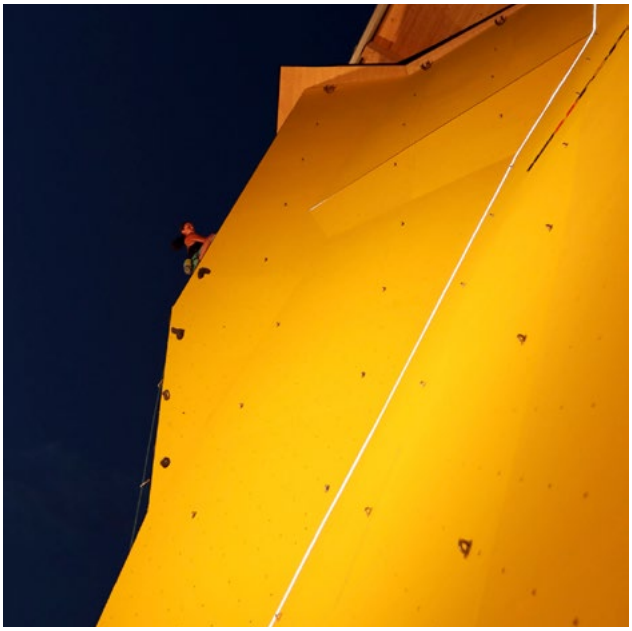
Villach, Austria

Completed	2014
Climbing Area	216 m^2 | 2 325 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.kletterhallevillach.at





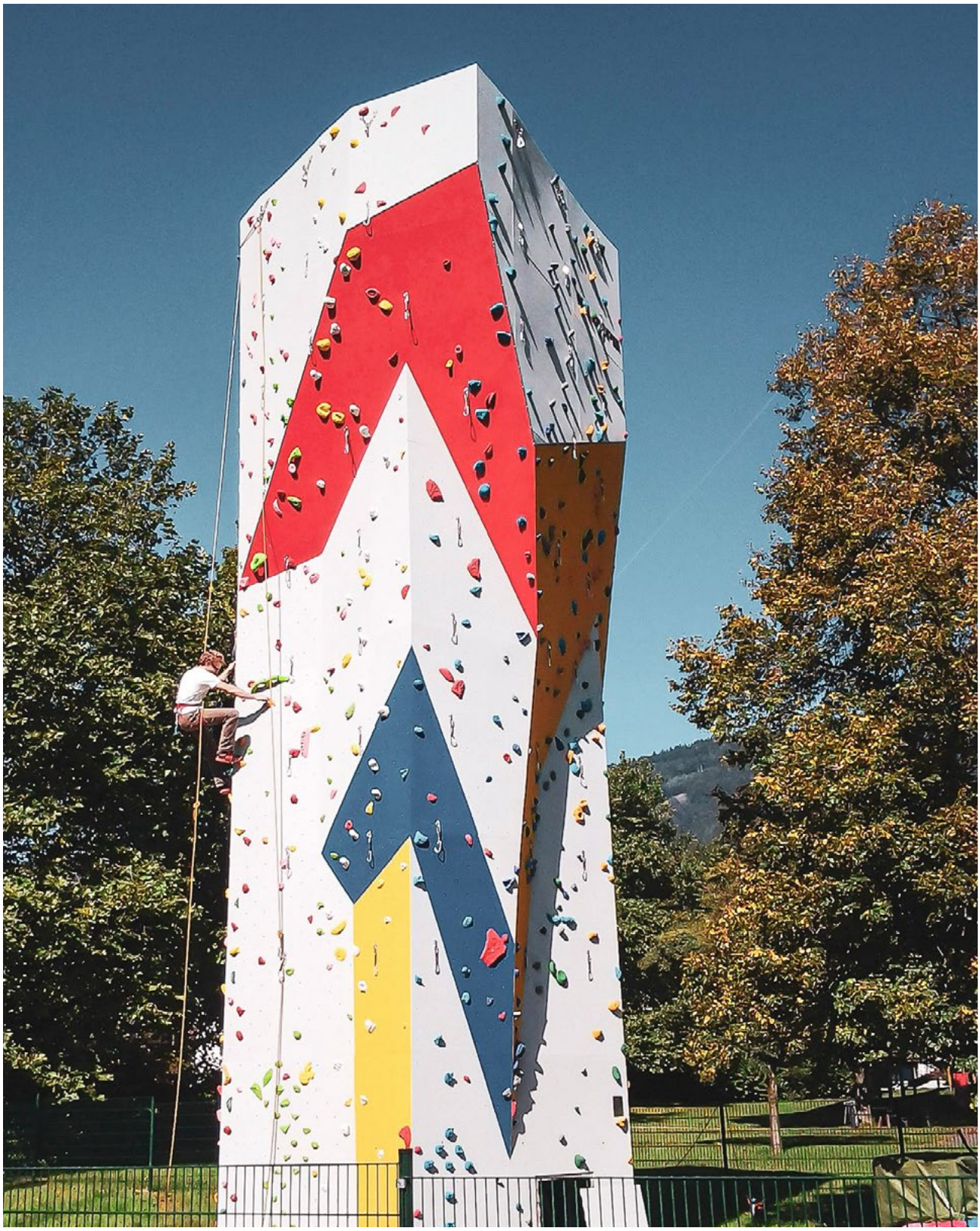


Kletterturm Unterach

Unterach, Austria

Completed	2014
Climbing Area	190 m^2 | 2 045 ft^2
Style	Geome3x, Rocktopia
Facility	Multisport center

www.bergfex.at/sommer/unterach



DAV Mindelheim

Mindelheim, Germany

Completed	2014
Climbing Area	535 m^2 | 5 759 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.alpenverein-mindelheim.de/







DAV Starnberg

Starnberg, Germany

Completed	2014
Climbing Area	223 m^2 | 2 400 ft^2
Style	Geome3x, Rocktopia
Facility	Full Service Climbing Gym

www.dav-starnberg.de









Hotel Salzburgerhof

Leogang, Austria

Completed	2014
Climbing Area	250 m^2 | 2 690 ft^2
Style	Geome3x
Facility	Hotel

www.salzburgerhof.eu



Kletteranlage Bergrettung

Salzburg, Austria

Completed	2014
Climbing Area	115 m^2 | 1 237 ft^2
Style	Geome3x, Rocktopia
Facility	Public Space

www.bergrettung-salzburg.at



Arbor et Sens

Saint Genes de Lombaud, France

Completed	2013
Climbing Area	200 m^2 | 2 152 ft^2
Style	Rocktopia Limestone
Facility	Public Space

www.arbor-et-sens.fr





Psicocomp UTAH

Salt Lake City, UT, USA

Completed	2013
Climbing Area	126 m^2 | 1 356 ft^2
Style	3D Curves
Facility	Competition Wall

www.psicocomp.com





K5 DAV Kletterzentrum

Rottweil, Germany

Completed	2013
Climbing Area	1 918 m^2 | 20 645 ft^2
Style	Geome3x, Rocktopia
Facility	Full Service Climbing Gym

www.k5-kletterzentrum.de



Mur de Tambourin

Vendargues, France

Completed	2013
Climbing Area	95 m^2 | 1 022 ft^2
Style	Geome3x
Facility	Multisport center





Kletterhalle Felsenfest

Saalfelden, Austria

Completed	2012
Climbing Area	1 655 m^2 | 17 814 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.felsenfest.cc





Competition Boulder

Oslo, Norway

Completed	2012
Climbing Area	181 m^2 | 1 948 ft^2
Style	Geome3x, 3D Curves
Facility	Competition Wall

www.klatring.no



Sparkasse DAV Kletterwelt Neu-Ulm

Neu Ulm, Germany

Completed	2011
Climbing Area	755 m^2 | 8 127 ft^2
Style	Geome3x, Rocktopia, 3D curves
Facility	Full Service Climbing Gym

www.sparkassendome.de







Salewa Climbing Hall

Bolzano, Italy

Completed	2010
Climbing Area	950 m^2 | 10 225 ft^2
Style	Geome3x, Rocktopia
Facility	Full Service Climbing Gym

www.salewa-cube.com/en/climbing-hall





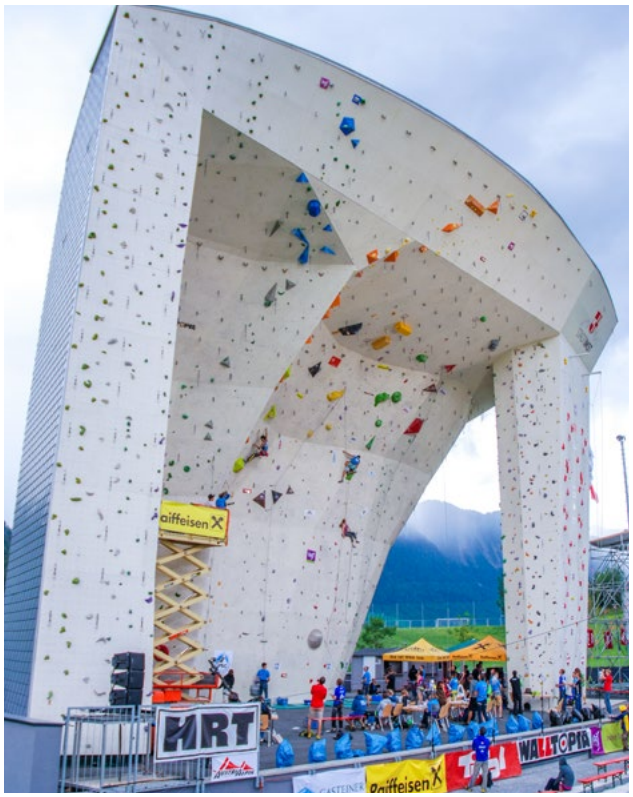
Kletterhalle Imst

Imst, Austria

Completed	2010
Climbing Area	2 000 m^2 | 21 527 ft^2
Style	Geome3x
Facility	Outdoor Climbing Center

www.klettern-imst.com







Durango Climbing Masters

Spain

Completed	2009
Climbing Area	135 m^2 | 1 453 ft^2
Style	Geome3x, 3D Curves
Facility	Competition Wall







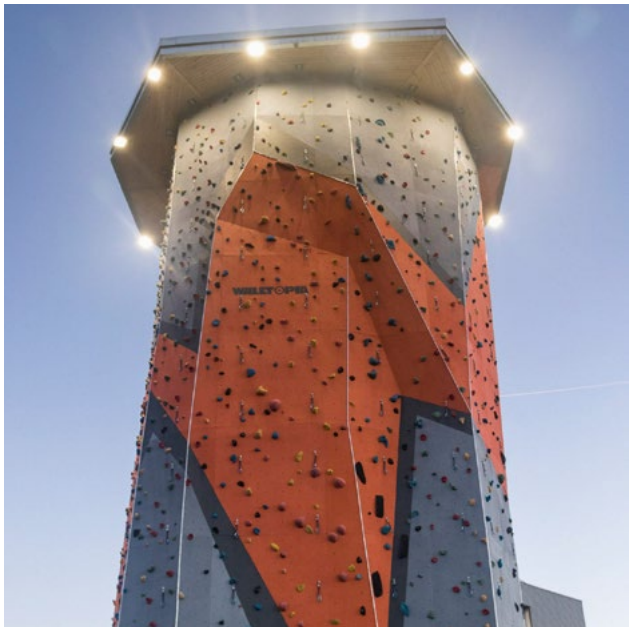
Klimax

Puurs, Belgium

Completed	2007 / 2020
Climbing Area	800 m^2 | 8 611 ft^2
Style	Geome3x
Facility	Full Service Climbing Gym

www.bvkb.be









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