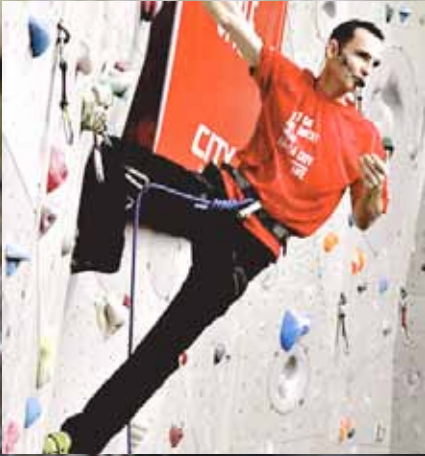


# BLOCSX



SHOWCASE  
2011

Founded in Basel, Switzerland, in 1992 by internationally respected climbers Mike Tschanner and Patrick Andrey, BLOCX established BLOCX Asia Pacific. Manufacturing out of Malaysia enables BLOCX to remain competitive in our own evolution. We have come a long way, established an endearing reputation, but innovating and creating the walls that redefine climbing.



Patrick Andrey  
Founder



Mike Tschanner  
Founder





Patrick Andrey, BLOCX is renowned as for its cutting-edge wall design and innovations. In 2002 Patrick  
tive whilst continuing to provide customized solutions. What we present to you in these pages is a  
t our work is not done. Just as we have never trademarked our ideas, we will never stop exploring,



Martin Siegrist  
Design



Jeremy Peet  
Development



Andreas Altheimeir  
Operation

Aswadi Noor  
Installation



## Boulder Gyms

Bouldering is no longer just a faction of sport climbing, it is a stand alone discipline with unique requirements and a market that has seen massive growth in recent decades.

In areas where the climbing community already enjoys high participation levels the Boulder Gym taps this niche market, offering exclusive bouldering venues in locations where ceiling height denies the possibilities of a climbing wall.

Our very own boulder gym, B2, has demonstrated the success of this model, setting a new standard and establishing a benchmark for similar facilities in Europe.







## Climbing Gyms

As an owner and operator of two leading climbing gyms, the value of BLOCX consultation reaches well beyond the design of the wall. Whether your business is club-orientated, membership driven, or a purpose built competition venue, we are experienced and well-versed in the unique needs of your operations.

The days of the dingy climbers den are over. Today's climber seeks large, spacious, well lit, well ventilated, clean, well maintained and professionally operated facilities.

Conceptualization and design of new facilities is influenced by our close collaboration with master planners, architects and trend scouts.



## School Walls

Climbing imparts responsibility whilst boosting self esteem and self confidence. The nature of the sport also tends to attract participants that may be less inclined toward typical team-based competitive school sports. It is therefore not surprising that many countries around the world have added climbing into the physical education curriculum.

School walls are unique in their demands; often having limited available space, specific demographic of user, large class volumes, increased safety concerns and limited budget.

BLOXX proprietary back construction system minimizes the base footprint enabling walls to be installed within the school gymnasium hall where safety, utilization, budget are optimum.







## Kids

Children inherit a natural instinct to climb. Not surprisingly climbing sculptures are increasingly popular in preschools, kindergartens and company crèches. The bright colored holds, available in animal shapes and alphanumeric, are magnets for little hands.

BLOCX play sculptures encourage a child's muscle development, motor skills, orientation, balance and coordination. As with all our walls our play sculptures are unique; each hand shaped, designed with soft lines for safety and organic forms to spark little climber's imaginations.

Themes, caves, tunnels, slides and stairs, are just some of the many possibilities.









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## Towers

Climbing is one of a multitude of vertical challenges that can be incorporated into the wall design. Abseiling, high ropes course elements, via ferrata and flying fox, are just a few options that can be included to add to the scope of activities.

Multifunctional walls are common on military bases and specialized training centers. Though, in recent years, we have noticed a trend by climbing gyms adding hybrid walls in an ongoing effort to expand their marketing and increase revenue by adding infrastructure that will offer a greater range of programs and services.



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## Concrete Walls

Concrete is a great medium material for artistic sculpturing. It offers a wide range of options due to its inherent characteristics. Concrete's durability, resistance to weather, extremely long lifespan and low maintenance, make such structures ideal as playground features and interactive sculptures in public parks and exposed outdoor environments. Our concrete walls can be designed with bolt-on holds or features only.

## Special Projects

BLOCX transforms concepts into reality.

Fueled with years of experience, knowledge, and obsession for cutting edge projects, BLOCX provides innovative solutions within the realm of climbing and vertical pursuits.

Futuristic, fantastical and funky ideas are our lifeblood. Whether a diversion or passion, we are driven to challenge the limit of our imagination.







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founder  
gym  
school



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kids  
outdoor



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special  
gallery  
contact



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## Caves and Mazes

BLOCX caves come ready to use, either built in 20' - 40' shipping containers or retro-fitted into the back construction of your climbing wall. We build dry and wet caves of any scale.

Horizontal caves systems require nothing more than headlamp and helmet whilst vertical caverns may demand technical rope skills, ideally suited for cave and mountain rescue training courses. The complexity and level of difficulty is dependent on client's needs and site perimeters.

BLOCX caves offer a safe environment that can be experienced with minimal training. Either as exclusive event vehicle or an addition to your existing facility, an artificial cave system will attract its own market and generate its own revenue.





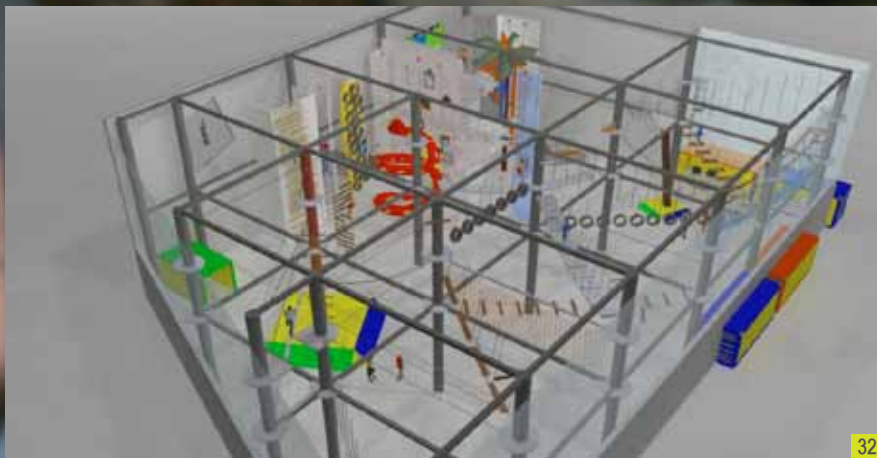


Our booth for the IAAPA Expo 2010 in KL featuring a 20' container cave.

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## Image Appendix

## img project

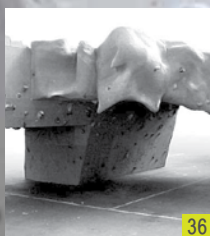
- 01 VietClimb - VNM
- 02 B2 Boulder - CHE
- 03 B2 Boulder - CHE
- 04 Grindelwald - CHE
- 05 Landihelle - CHE
- 06 Laufen - CHE
- 07 Climb Asia - SGP
- 08 Putrajaya Gym - MYS
- 09 Camp5 Gym - MYS
- 10 Outward Bound - MYS
- 11 MSU University - MYS
- 12 Cempaka Collg - MYS
- 13 British School - MYS
- 14 Sri Putri College - MYS
- 15 Ziegelei - CHE
- 16 Spielestrich - CHE
- 17 Pratteln - CHE
- 18 Putrajaya Park - MYS
- 19 Camp5 Gym - MYS
- 20 Selayang Park - MYS
- 21 Banting Park - MYS
- 22 Extreme Park - MYS
- 23 Petronas - MYS
- 24 Universal Studio - SGP
- 25 Extreme Park - MYS
- 26 360 Mall - KWT
- 27 Sooka Sentral - MYS
- 28 Kunst Halle - CHE
- 29 Outdoor Park - MYS
- 30 IAAPA - MYS
- 31 Bank Negara - MYS
- 32 Fun Box - DEN
- 33 B2 Boulder - CHE
- 34 Camp5 Gym - MYS
- 35 Enduro Comp - MYS
- 36 Fun Park - CHE

## img project

- 37 TimyFairfield - USA
- 38 Martin Siegrist - MYS
- 39 VietClimb - VNM
- 40 Camp5 - MYS
- 41 Camp5 - MYS
- 42 IAPPA - THA
- 43 The making of B2 - CHE
- 44 Climb On Comp - SGP
- 45 Camp5 Gym - MYS
- 46 Camp5 Launch - MYS
- 47 B2 Boulder - CHE
- 48 B2 Boulder - CHE
- 49 Sri Puteri College - MYS
- 50 Ziegeli - CHE
- 51 Plan B photo shoot - MYS
- 52 Linggi Camp - MYS
- 53 Camp5 Gym - MYS
- 54 Black Diamond - CHN
- 55 Sri Puteri College - MYS
- 56 Camp5 Boulder - MYS
- 57 Concept - DEN
- 58 Aberdeen - CHN
- 59 Aberdeen - CHN
- 60 Border X - SGP
- 61 Play & Climb Concept
- 62 East Coast Park - SGP
- 63 Outdoor Fair - GER
- 64 Concept Model
- 65 B2 Boulder - MYS
- 66 Black Diamond - CHN
- 67 CWA workshop - USA
- 68 CWA workshop - USA
- 69 Landihalle - CHE
- 70 Camp5 - MYS
- 71 BLOCX Light box
- 72 Cave Design



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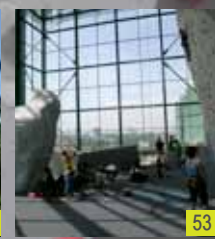
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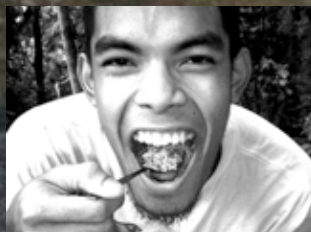
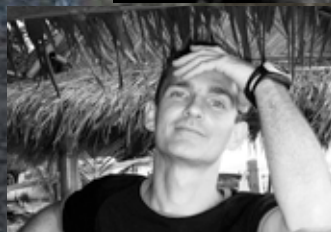
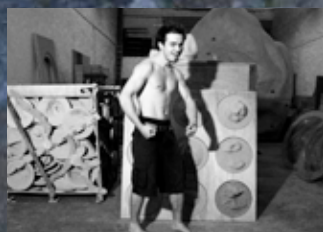


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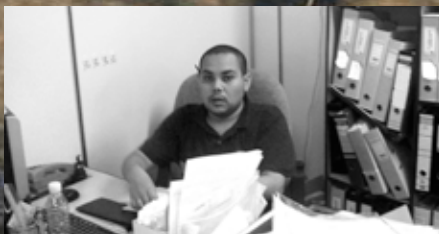




SHALL WE  
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SPACES  
WE USED  
TO TALK?

SHALL I FILL  
FINAL PLACES?  
SHOULD I  
COMPLETE THE  
TALL...

PINK FLOYD



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# BLOCSX



**TECHNOLOGY**  
objects to climb





## Objects to Climb

Outdoors, on earth's mountains, crags and boulders, are the moves that inspire our sport. But in the decades that followed the advent of the artificial wall, climbing has evolved and taken new form.

BLOCX Walls express the form and future of climbing. Innovation is our keystone. To meet the demands of this ever evolving sport we remain dialed-in with the professional alumni, exploring new materials and creative processes and conceptualizing projects that push the limits.







## Skin

Few elements of our walls have enjoyed as much R&D as our skin, because few elements are as important. The skin is the contact we have with the climber.

Available in various forms, the skin can be adapted to suit the project. Friction can be increased or decreased. Colors can add emotion, define areas and blend the wall to its environment.

The durability of our skin is unrivaled; seldom will a single shoe mark be visible even after years of use.

## Panels

As a balance between durability and customization, nothing beats high grade plywood or recycled plastic panels as a base material.

GRP is great for freeform elements whilst flowstone provide ideal materials for outdoor installations but both materials limit the possible bolt grid and volume placement.

Flat panels provide the greatest scope for modular adaptability. For indoor walls we use high-quality 18mm thick 9 layer plywood. Outdoors we recommend marine plywood in the same thickness. Both are made in Malaysia. As the ultimate waterproof solution we offer 18 mm thick recycled plastic plywood from Canada.

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Peach - unstructured surface



Walnut - free hand negative structure



Mango - rich negative structure + embedded GRP structures

## Patent Color

We can finish the wall in any color of your choice or chose from one of BLOCX standard colors (right).



## Surface

Our surface finish comprises multiple layers of industrial coating and silica, offering superior friction, durability and resistance to shoe marking.

Typically silica provides the final surface, in grey or earth tones, however by adding an additional top layer coating the friction can be reduced and color enhanced as per the clients preference.



## Routing

Depending on position and function, BLOCX panels are either left natural or receive macro relief.

By hand-routing panels we can create aesthetic detail, offering foot placement possibilities for advanced climbers.

Macro relief has no impact on the bolt-on grid.





## Glassfibre Reinforced Polyester (GRP)

Mainly used for our Volumes and Discs and for freeform structures, especially top - out boulders and children sculptures.

All our GRP structures are formed by handmade, no mold has ever been used, hence each form is unique.

## Warp Wall

WARP Panels use advanced GRP technology to fabricate a 3 dimensional form exactly as it appears in the digital rendering; by slight warping of a planer surface we are able to achieve atheistically sculpted forms with minimal compromising of potential hold placements.



## Flowstone

In harsh outdoor environments, public parks and playgrounds we recommend flowstone sculptures.

These reinforced concrete structures offer superior durability and strength.

Shaped to suit any concept, flowstone provides the perfect medium for outdoor boulders, play structures and interact park installations.





## Modular features

Modular features, either built-in or fixed onto the surface of the wall, serve to increase the re-configurability of the wall by increasing possibilities for route setting.

The smallest and most basic modular feature is the climbing hold. Available in a variety of shapes holds are the principle language of routesetters, though limited by their size, holds can only provide positive (external) features.

Discs can offer both positive and negative (internal) forms.

Volumes are large positive forms which mount to flat surfaces creating dynamic change to the wall contour, gradient and features.



- Up to 220cm in diameter



## Discs

The Disc is a BLOCX innovation. Designed to allow complex changes to the climbing surface with minimum effort, BLOCX Discs come in various diameters from 15cm inserts up to 220cm monsters!

A disc can be rotated into an infinite number of positions or reversed to invert the form; turn a tufa into a crack or pinch into a pocket. Each disc is formed by hand; no two discs are alike.

## Holds

Bolt-on holds are the essential route setting medium of any climbing wall. Hold variety is key to extending the scope and potential for route setting.

BLOCX uses holds from a list of quality suppliers in order to provide a comprehensive variety of shapes, colors and sizes. Our primary suppliers are; So-III, EGrips, Teknik and Metolius. BLOCX can also custom shape holds specific for the project.

## GRP Volumes

Volumes add grand features to flat surfaces. Unlike large cast mould holds, volumes are constructed from plywood and/or GRP making them strong enough for built in bolt placement yet lightweight for easy installation.

As with BLOCX Discs each volume is individually crafted and 100% unique.





## Plywood Volumes

Our latest line of plywood volumes boost creative climbing on both steep and vertical walls. All 5 shapes feature different angles and profiles; one face is always nearly rectangular to the wall, or overhanging, (see the «Jagger»).

With the unique BLOCX baseplate mounting system, volumes can be fixed easily onto any planar surface, utilizing the walls existing bolt-hold grid. Simply mount the baseplate, then attach the volume to it, using standard allan key bolts.

No need for wood screws or special tools. Routesetting is a cinch and your volumes and walls will last longer. The baseplate will also work for our new poly volumes.

Each volume is available in 3 sizes, 1.25m, 1.75m and 2.50m. Coated and painted in our 5 patent colors or available in custom color upon request.



BLOCX prototype volumes at Camp5 boulder cave:  
Dinomite (green) - Jagger (blue) - Ledger (red)

### Roofer

The Roofer has a nearly 90° roof and a some nice slabs.



### Slasher

Narrow, long and flat, the Slasher offers a small roof.



### Ledger

The Ledger features two conical sides, tapering to zero.



### Jagger

The Jagger's over-hanging face is top for kneebars.



### Dinomite

The monstrous Dinomite goes well on any boulder profile



Above illustrations only show the most dominant profile. For complete 3D view scan barcode :

<http://www.blocx.com/volumes.html>



## Structure

Our construction principle requires that the entire load is carried by the supporting structure, never by the skin of the wall. All life-points are directly fixed via M12 bolts into the back construction; hence a falling climber does not exert any load onto the panels.

BLOCX Asia Pacific utilizes steel back-construction for wall sub-structure. Mild steel trusses fixed to existing sub-structure or freestanding tower constructions establish the primary frame. The modular secondary frame, comprising of galvanized mild steel arms and brackets, provides the connection between truss and panel.

BLOCX Switzerland uses timber for their primary sub-structure.

Depending on the size of our projects, walls are partly or completely pre-fabricated in our factory, allowing for time-effective installations.







## Testing

BLOCX walls and features comply to:

European Standard EN 12752-1:2007  
Safety requirements and test methods for ACS with protection points

European Standard EN 12752-2:2008  
Safety requirements and test methods for bouldering walls

European Standard EN 12752-3:2008  
Safety requirements and test methods for climbing holds



testimonial

partner

operate

consult

design

structure

modular

skin

## Design and Engineering

We regard the conceptual design as the most important link in the chain of the climbing wall building process.

We take utmost care to thoroughly consult our clients in order to achieve the best results possible. We use various 3D software technology at the conceptual stage of design enabling the client to view the model true to life for approval. The model is then exported directly to engineering and drafting software.

We supply construction engineering blue prints including static calculations based on EN12572 and applicable local standards







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## Consultation

BLOCX Objects to Climb has for nearly two decades stood out as one of the most important names in design and build of climbing walls.

The company's zeal, passion and enthusiasm for climbing and bouldering translate directly into their work, influencing the design and construction of their creations and installations.

Always motivated to re-consider, re-organize and re-invent existing forms, BLOCX has challenged the climbing wall market with inspiration, innovations and improvements.

BLOCX specializes in providing customized solutions through careful consultation, intimate attention to design and fabrication, expert installations, project management and operation.



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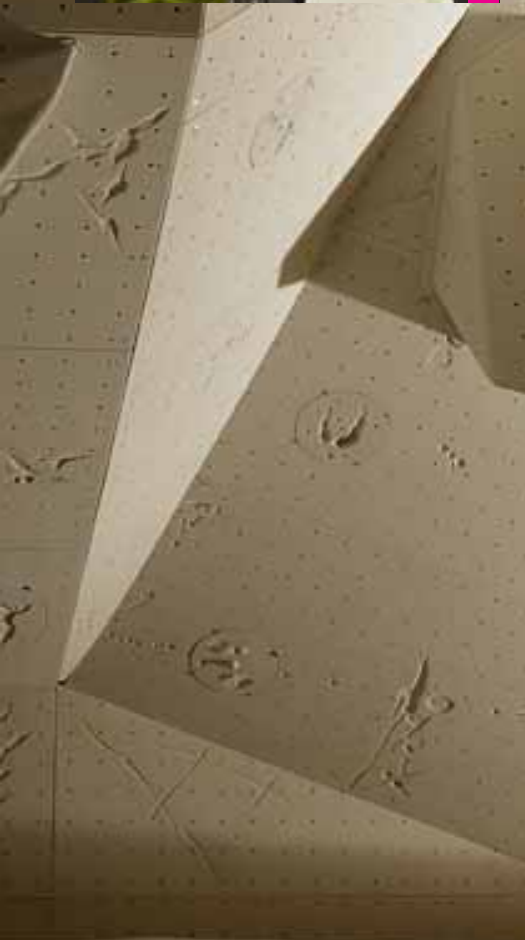
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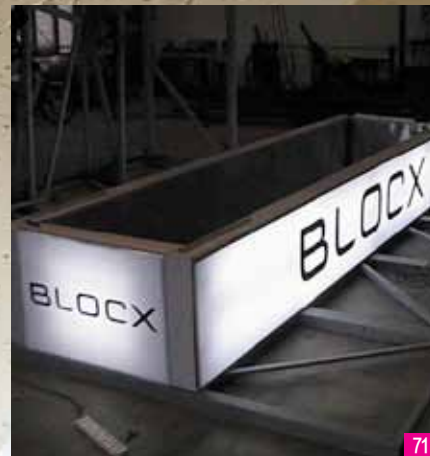
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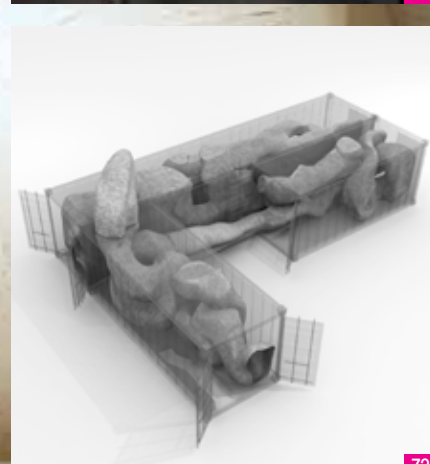
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## Operation

It could be argued that manufacturing walls without operational experience would be like building an engine without knowledge of how a car runs, what type of vehicle it will be driving or what terrain it will be operating in.

As owner and operator of 3 premier facilities in 3 unique markets, each focused on a unique discipline (climbing, bouldering and via ferrata), BLOXX has gained invaluable insight in the challenges an operator faces on a daily basis.

Many such concerns, often affected by the design and concept of the wall, conversely are seldom considered or given due priority in the framework of a wall manufacturer's contract.

Program facilitation and traffic flow, administration and staff spaces, amenity requirements, food and beverage, and retailing optimization, efficient route setting management and other general maintenance.

No amount of projects could have provided us the depth of experience that has come with operating our own facilities.



### Camp5 Malaysia

Camp5 is the benchmark for climbing gyms worldwide. Founded on the principle that climbing will always be a fringe sport, as long as it remained on the fringe of the city, Camp5 positioned itself on one of Kuala Lumpur's premier shopping malls. 5 years and 20,000 members later, Camp5's bold move has proven successful, establishing climbing as a mainstream health, fitness and lifestyle activity.

Contact Camp5 for franchising options.

### Hanspeter Sigrist Swiss Climbing Legend

*"Camp5 is one of the best Climbing Gyms I ever have seen, a well balanced concept and superb infrastructure that appeals to everybody, especially women! Top boulder walls with interesting and modular profiles. Here everyone can find his challenge! The climbing walls are beautiful, uncompromising workmanship and great care for details. No traces of climbing shoes on the wall. The staff of Camp5 is very friendly and competent. There is obviously a professional and clear line of operation."*





## B2 Switzerland

B2 has set the trend for boulder gyms throughout Europe. The concept of creating ambience by relating lighting and roominess, and the mix of both steep walls and top-out boulders is guiding the future of indoor bouldering away from the previously common narrow, dark boulder gyms of the nineties.



## Border X Singapore

Located in the hub of Singapore's shopping centre, Orchard Central needed something that would distinguish their mall, serve the patrons, provide a spectator attraction and draw the interest of the urban adventurer. Whilst challenging, the confines of the space enabled the installation of a 30 meter high artificial via ferrata, the largest in the world, inclusive 3 climbing routes and a 25 meter abseil.



## Partners in Climb

As a wall manufacturer many of our projects have brought us together with experts in other fields; rope challenge courses, skate and bike park designers, architects, engineers, landscapers, project planners and theme park designers.

Through our partnerships BLOCX has presented climbing and caving to a far reaching audience; an LED illuminated wall in a Kuwait shopping mall, a paleontologically accurate fossil wall in a Universal Studios theme park, the world's tallest artificial via ferrata, a fully integrated climbing, biking and skatepark on a 70 acre site in Malaysia.

These projects would not have been possible without the shared vision of our partners.



## Adventure Rope

Adventure Rope is a multi-disciplinary company specializing in the design, construction, servicing, training and consultation for a wide range of adventure based products installations for educational institutions, local authorities, the military, training and development programs, commercial operations, public service institutions, leisure complexes, shopping malls, sporting bodies and some of the world's leading amusement park designers.

Adventure Rope's product range stretches from experiential learning based ropes courses through to premier recreational air parks, tree based aerial trekking courses and canopy tours. Our playgrounds are a world of unique adventure and can be combined seamlessly with BLOCX bouldering and caving systems to create truly custom designs ranging from forest rustic to urban cool. All structures can be built indoors as well as outdoors.





## TruBlue

### Autobelay

Autobelay devices provide many unique benefits to operators, in particular increased program sizes as more participants can climb without the need of a hands-on belayer. Designed specifically for the climbing industry, the TRUBLUE™ Auto Belay uses technology superior to prior and current auto belay devices.

The TRUBLUE is the only auto belay device that meets the same safety standards required of other climbing gear. In addition to bearing the CE mark for European safety standard BS EN 341 the TRUBLUE meets the following standards: American National Standard ANSI/ASSE Z359.4-2007, Canadian Standard CSA Z259.2.3-99 and Australian and New Zealand Standard, AS/NZS 1891.3 1997.

As SEA distributor of TRUBLUE, BLOCX Asia Pacific also provides a regional service centre for the manufacturer required annual service, minimizing the servicing interval and impact to your operations.



## Futurist Inc.

### Futurist Climbing Flooring & Mats Products

**Futurist History & Vision** Futurist co-founder Timy Fairfield set out to develop the highest performing bouldering flooring safety technology specifically for commercial climbing facilities.

It is his vision to progress the sport of indoor climbing by providing a product that raises the bar in the areas of safety, professional appearance and cleanliness, and which safely allows for modern dynamic forms of routesetting.

Timy draws on his extensive experience as a professional climber, world cup competitor, high-ball boulderer, international route-setter and climbing gym designer to develop the best possible products to achieve these goals.

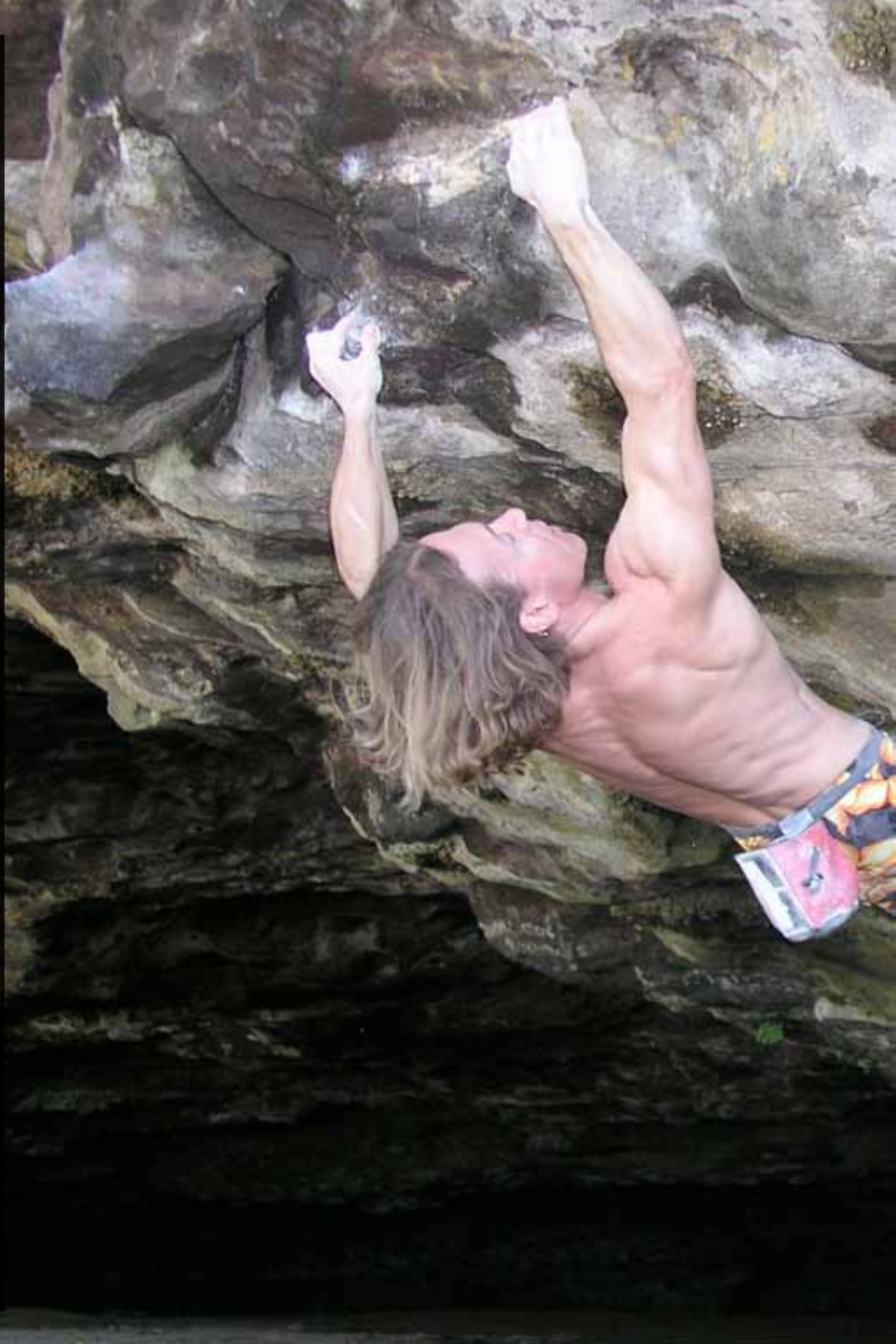
Timy partnered with co-founder Ernest Coletta to develop the Futurist product line; together they have created a company that prioritizes quality and durability and provides the best customer support in the industry.

## Timmy Fairfield

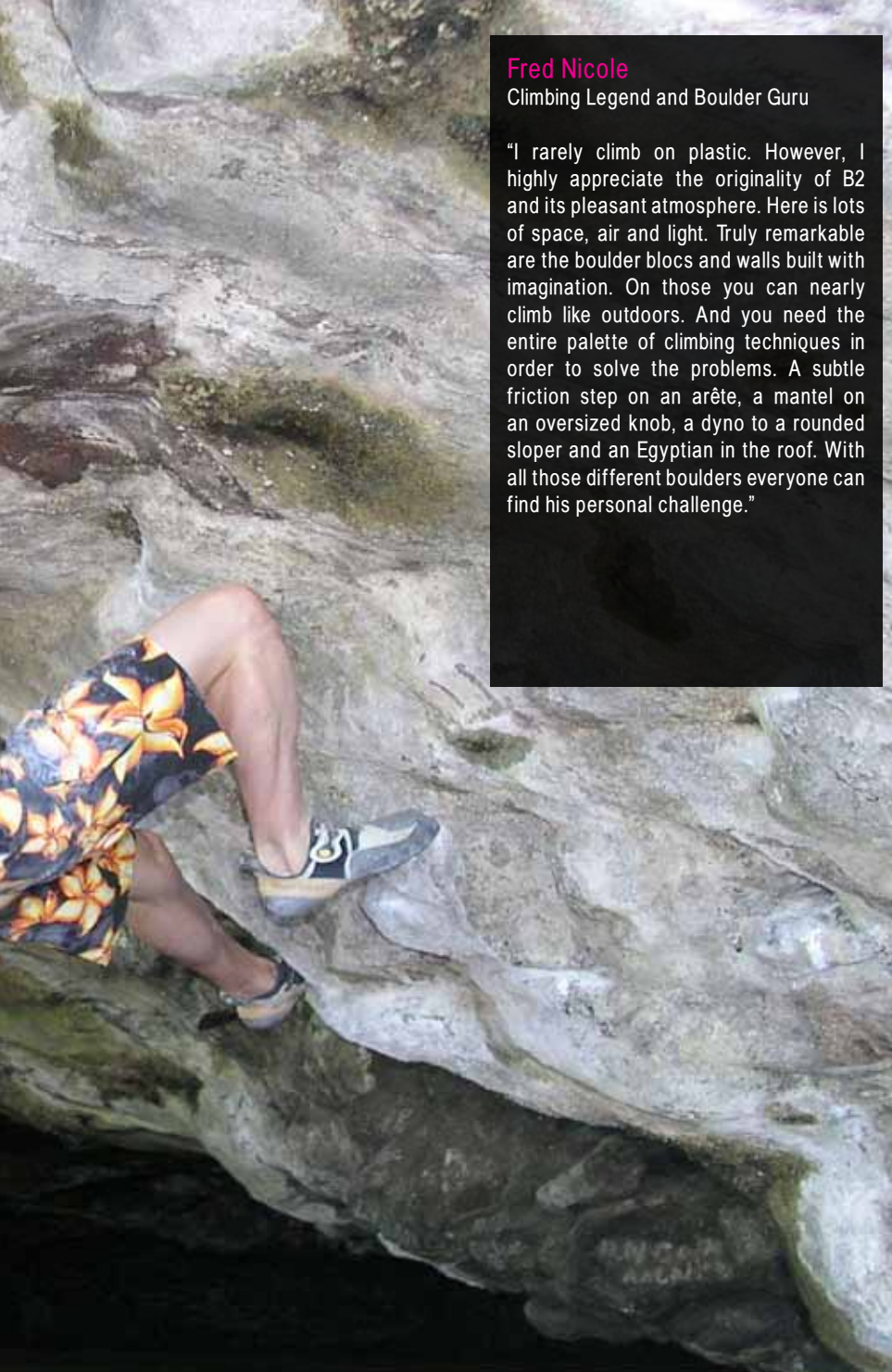
Professional Rock Climber, National Coach,  
International TV Production Competition  
Route Setter

"The first time I visited Camp-5 indoor climbing facility in KL, Malaysia, I was very excited to discover the BLOCX climbing wall system. I was instantly awed by the visual aesthetic and mesmerized by the artistic expression. I was absolutely psyched to feel all of the features and wanted to climb everywhere at the same time – I didn't know where to start! The strong initial visual impact is due to a refined design style that is both clean and rich with a diversity of sculptural form. The wall system is a beautiful marriage between a supple naturalism and contemporary minimalist design - very elegant.

The BLOCX gym designs feature open and continuous wide sweeping climbing surfaces along with imposingly challenging compound angles that accommodate a high diversity of climbing movement styles; a route setter's dream! The panel systems have a consistent and durable texture, subtle and intriguing micro-relief and an incredibly unique one-of-a-kind inset volumes in several sizes that can be used interchangeably as positive or negative relief – something that no other wall system in the world offers. The wall technology BLOCX employs is not only durable but light, easy to work with and highly adaptable for a myriad of wall designs and applications including commercial gyms usage, outdoor action sports parks or high level competition venues. I look forward to the day when more are rendered with BLOCX technology."







## Fred Nicole

Climbing Legend and Boulder Guru

"I rarely climb on plastic. However, I highly appreciate the originality of B2 and its pleasant atmosphere. Here is lots of space, air and light. Truly remarkable are the boulder blocs and walls built with imagination. On those you can nearly climb like outdoors. And you need the entire palette of climbing techniques in order to solve the problems. A subtle friction step on an arête, a mantel on an oversized knob, a dyno to a rounded sloper and an Egyptian in the roof. With all those different boulders everyone can find his personal challenge."

## Angela Eiter

Austrian Lead World Champion and World Games Champion, World Cup Champion 2004-2006, Winner of Rockmaster 2003, 2004, 2005 and 2007

"The friction of the walls is perfect, the bouldermats are excellent!"

## Mickael Fuselier

Former World Cup Climber and French Champion

"BLOCX structures reflect the perfection of real rock."

## Rasmus Norgaard

Danish former World Cup Climber

"The structure of the wall is great, not only for looks, but also for training and the variety of the walls and holds / discs enable a good overall workout."

## Timo Preussler

Former German champion, Winner of the Malaysian World Cup 2006

"Camp5 has one of the best Boulder structures I have ever seen in my life. I'm a professional climber and always travel around the gyms in Europe. But this here is the best! Big structures, like climbing outdoor, many different walls, a really big place."