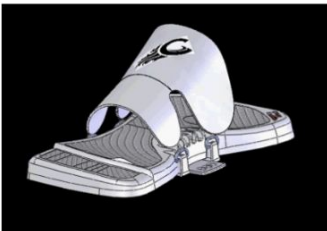
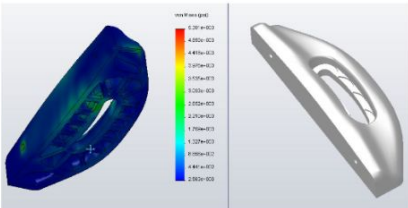
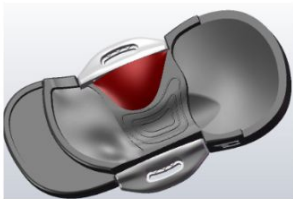


Managed Design, Development, and Manufacturing Launch of multiple Kiteboarding products that combined hardgoods and softgoods, in multiple materials.



## Director of Product Development, Mechanical Engineer, UBCO Electric Bikes

Lead hardware and CAD design, development, prototyping, and testing for a ground-up new light electric motorcycle platform.

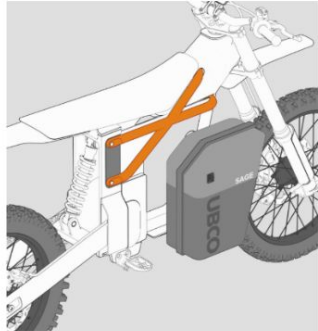
Hire, mentor and manage a diverse team of mechanical, electrical, consulting engineers, and designers based in the USA, Asia and New Zealand.

Work closely with US and International sourcing and operations to identify and validate key vehicle components and suppliers.

Factory and vendor compliance test development planning.

Helped Develop 2023 Special Edition. New accessories range integrated.

Testing, Certification, and Manufacturing development and support. CAD Advanced Surfacing specialist.





Sustainable materials development project:

Leveraged my outdoor industry connections to help several brands integrate Bio Based Polyurethane into their products.

One successful example -

**Duotone** Unveils Entire Kiteboard Series Replacing Petroleum-Based Materials with Checkerspot's Algae-Based Polyurethane Sidewalls, powered by SWS Technology.



## Giro EDIT snow sports helmet project:

New helmet design. Lead all CAD, Benchmarking, Prototyping, Supplier management, Testing, Certification.

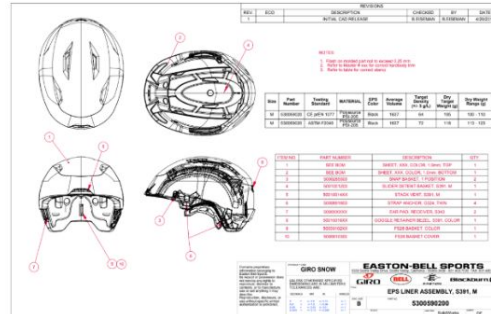
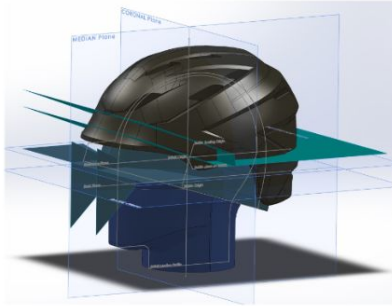
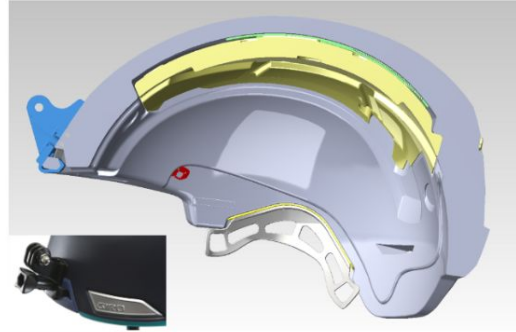
Complex surfacing, multiple injection molded components and materials, CMF. In-molding, Softgoods integration.

Brief: Need a new ID driven design with novel integrated GoPro mount. No glued on mount when GoPro is removed. Goggle integration and retention.

Adjustable ventilation system.

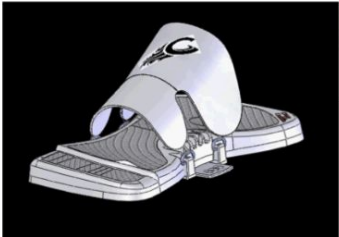
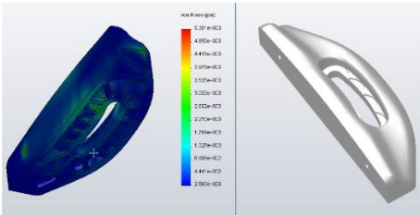
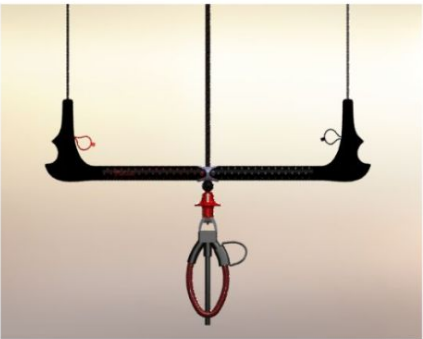
Requirements: No tools for install/removal, category leading weight, meet all safety certification standards, BOM cost targets.

Results: Requirements exceeded, product received industry awards.





Managed Design, Development, and Manufacturing Launch of multiple Kiteboarding products that combined hardgoods and softgoods, in multiple materials.



Lead a cost reduction initiative for **Yondr**, a locking phone case company.

Identified several new international supplier candidates, and developed samples with each of them.

After evaluation and testing of new samples, production was launched at a new supplier:

Achieved a 40% cost reduction with no quality loss.



\*Covered by US patents.

The Yondr pouch and magnetic unlocking base is a proven solution trusted by teachers, comedians, musical artists, brides, business owners, and so many others.

Led the design, prototyping, testing and production of the Surftech Sabre model paddle board.

Received an Outside Magazine Gear Of The Year award.

Designed and tested in California, Manufactured in Thailand.

SECTION NO. 6

FLOAT

STAND-UP PADDLEBOARDS

FORWARD MOMENTUM

As the sport grows up, there are more and better SUPs for all kinds of paddlers

BY MARK ANDERS

GEAR OF THE YEAR

Surftech Sabre \$1,999

There are faster, prettier SUPs out there, but the Sabre is by far the year's most well-rounded. You won't find a finer board for the money. Though a heavy weight at 35 pounds, it excels in all conditions, from flatwater to wind-slammed cross-chop with boat wakes mixed in. The Sabre is no speedster, but it paddles smoothly and has plenty of glide, stability (thanks to 31 inches of width and 4.8 inches of thickness), and deck space. The sandwich construction—with a foam core and layers of fiberglass, epoxy, and wood for rigidity—is extremely durable. We had so much fun on it that we came to see the new design as an enduring plus. 12'6"; surftech.com

STABILITY: 5 / GLIDE: 4 (OUT OF 5)

Led all phases of the design, prototyping, testing and production of the Surftech TL Pro Carbon advanced composite construction program.

TLPC technology increased sales of Surftech Surfboard range more than 200%.

Designed and tested in California and Hawaii, Mfg in Thailand.

TLPC FEATURES

TLPC takes performance to the next level combining our proprietary water resistant, fused cell foam core, high density thermoformed inner skin, layers of hand laid fiberglass, carbon fiber and epoxy resin to create a technologically superior board. The result is a board that is significantly lighter and more durable than a traditional polyurethane board. The combination of materials and advanced engineering creates a board with controlled dynamic flex (CDF) resulting in a board that performs better in every kind of condition and is responsive, faster and more agile than its traditional counterpart.

THE TLPC ADVANTAGE

STRENGTH, DURABILITY & PERFORMANCE

THE TLPC BENEFIT

TLPC is lightweight yet extremely durable with no fatigue or degradation over time. This means your board will retain that new board feel longer than a traditional poly board and perform consistently over time with out loosing its magic. Making it the perfect addition to any quiver and the ultimate travel companion.

THE ORIGINAL SURFTECH BOARD MFG CO

For more information on TLPC and other Surftech technologies visit: [www.surftech.com/technology](http://www.surftech.com/technology)