

# MecSoft Customer Success 2019

## Introduction

When we say here at MecSoft Corporation that “We are Your CAM Partner” we mean exactly that! We strive to ensure that you experience resounding success using our CAM software. We’re here for you from day one and on every CAM project. We are also very proud and excited to be able to showcase a small sample of our customer’s success. These projects not only exemplify how craftsmanship and the right CAM software can merge to produce a beautiful product, they also exemplify each company’s unique success story!

## What’s Inside

- Read the real true story behind each company, the success they have achieved in their industry and see their projects coming together from start to finish.
- Learn by example. Read about the CAM toolpath strategies used, the CAD geometry and techniques employed, what materials are cut and the machine tools used to cut them.

- Here is the list of customer successes discussed:

[RhinoCAM at Calton Cases!](#)

[VisualCAMc for Onshape at DeLaRue Authentication Solutions](#)

[RhinoCAM Helps Prepare Future Shipbuilders at IYRS in Newport, RI!](#)

[RhinoCAM at ENVIBOATS](#)

[RhinoCAM does Custom Orthotics in Italy!](#)

[RhinoCAM does PolyFab!](#)

[RhinoCAM & Laguna Tools at Oskayak High School!](#)

[VisualCAM for SOLIDWORKS At The Minnesota Giant RC B1 Lancer Bomber Project!](#)

[More Customer Success Videos](#)

We also want to give a special shout out to Appalachian State University and WestPenn Manufacturing whose case studies did not make into this year's publication.

We start off in Austin, Texas, the home of Calton Cases, a manufacturer of custom fit musical instrument cases through a world-wide network of instrument dealers.



## RhinoCAM at Calton Cases!

[Calton Cases](#) located in Austin, TX manufactures custom fit musical instrument cases through a world-wide network of instrument dealers. Keith Calton started the company in 1969 - handcrafting well-made, nearly indestructible cases for devoted Musicians and Collectors. As Keith put it, "For Quality & Endurance". With the help of CAD/CAM and CNC machining technology, the company that Keith founded is still thriving today and the cases they produce really are, well, nearly indestructible!





## Read More:

- [RhinoCAM at Calton Cases! \(In Depth Case Study\)](#)
- [Smart Finishing in RhinoCAM Standard! \(MecSoft Blog\)](#)
- [Machining the Mandolin Case at Calton Cases \(MecSoft Blog\)](#)
- [RhinoCAM User Spotlight: Calton Cases \(Customer Success Video\)](#)
- [3 Axis Horizontal Finishing w/Optimized XY Machining in RhinoCAM \(Cut Material Simulation Video\)](#)

Next we'll head to Logan, Utah to see how MecSoft's latest Cloud-based CAM plug-in [VisualCAMc for Onshape](#) is helping [DeLaRue Authentication](#) Solutions stay competitive.

## VisualCAMc for Onshape at DeLaRue Authentication Solutions

[Authentication Solutions](#), located in Logan, Utah, is a wholly owned subsidiary of DeLaRue, a UK based global company that provides governments and commercial organizations with products and services that underpin the integrity of trade, personal identity and the movement of goods. The facility in Logan, Utah manufactures anti-counterfeiting and authentication appliques to exact customer specifications.



## Read More:

- [VisualCAMc for Onshape at DeLaRue Authentication Solutions \(In Depth Case Study\)](#)
- [How VisualCAMc Helps Companies Do CAM Programming Anywhere \(MecSoft Blog\)](#)
- [VisualCAMc User Spotlight: DeLaRue Authentication Solutions \(Customer Success Video\)](#)
- [RhinoCAM Testimonial from Preston Fiske at Polyfab Corp. \(Audio Testimonial\)](#)
- [Customer Successes using VisualCAMc for Onshape! \(Video\)](#)

Next up we travel to Newport, RI on the US north-east coast to see how the [LYRS School of Technology & Trades](#) is teaching students to use RhinoCAM in the Shipbuilding trade.

## RhinoCAM Helps Prepare Future Shipbuilders at IYRS in Newport, RI!

[IYRS School of Technology & Trades](#) is a non-profit, post-secondary experiential learning school located in Newport, Rhode Island. The school offers education & training programs for craftspeople, artists, fixers, technicians, thinkers, problem-solvers, and creatives! Set on Aquidneck Island, Newport and its yacht-filled harbor hosted the America's Cup, a renowned annual sailing regatta, for many years. The school's alumni are rapidly employed into the local shipbuilding industry which helps make Newport one the most popular lifestyle and tourist destinations on the New England coast.





[IYRS School of Technology & Trades](#) was originally founded on the [boatbuilding restoration program](#). A 20-month program to master the craft and fundamentals of restoring, building, and finishing classic wooden yachts. Students build a beetle cat sailboat the first year and then come back the second year and learn boat building restoration. The school has recently added three additional programs, [Composites Technology](#), [Marine Systems](#), and [Digital Modeling & Fabrication](#).

## Read More:

- [RhinoCAM Helps Prepare Future Shipbuilders at IYRS in Newport, RI! \(In Depth Case Study\)](#)
- [RhinoCAM Helps Prepare Future Shipbuilders! \(MecSoft Blog\)](#)
- [The Bicycle Helmet Project at IYRS \(MecSoft Blog\)](#)
- [Kelsey Britton presents to MecSoft's Sept 2019 RhinoCAM in Education webinar \(MecSoft CAM in Education Webinar\)](#)

While we are discussing Marine applications, let's head down to Jacksonville, North Carolina and visit [ENVIBOATS](#) to see how RhinoCAM is making a difference.



## RhinoCAM at ENVIBOATS

[ENVIBOATS](#) located in Jacksonville, North Carolina is a quality supplier of semi-custom boat jigs developed in the Carolina style. Their jigs are produced from full 3D computer-aided designs and are completely CNC cut to ensure that both the professional boatbuilder as well as the DIY'er can build a sound, high-quality boat in the shortest time possible. To speed up the process even more, they offer many boat components pre-cut. They are placed into the jig and the hull is molded with them in place to save time.



### Read More:

[RhinoCAM at ENVIBOATS \(In Depth Case Study\)](#)

For our next stop we travel across the Atlantic to Falconara, Italy and see how [Duna Srl](#) is using RhinoCAM in the production of orthopedic insole footwear design.

## RhinoCAM does Custom Orthotics in Italy!

[Duna Srl](#) is a global company headquartered in Falconara, Italy that specializes in the production of general purpose and prescription orthotic footwear. The company manufactures a complete line of adult and kids off-the-shelf footwear products as well as custom footwear for patients who suffer from a range of mobility handicaps including sensory diabetic neuropathy (diabetic foot nerve damage), foot ulcers, peripheral vascular disease, birth defects and other injuries and deformities of the feet.



Duna has developed a complete orthopedic insole design and production system (hardware and software) with retail 3rd party manufacturing and sales outlets located across Italy, Europe, China and Thailand!

## Read More:

[RhinoCAM does Custom Orthotics in Italy! \(In Depth Case Study\)](#)

[Orthotic 2-Sided Machining in RhinoCAM! \(MecSoft Blog\)](#)

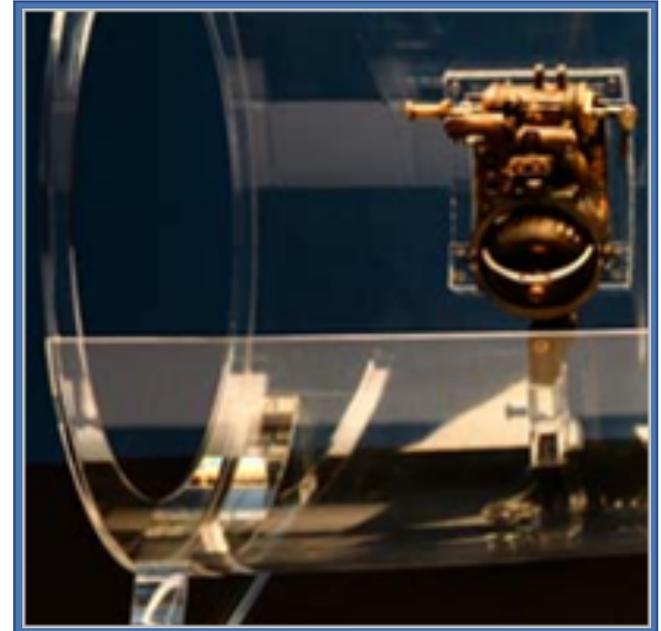
[RhinoCAM does Custom Orthotics in Italy! \(MecSoft Blog\)](#)

Travelling back to the New England coast we visit [PolyFab](#) based in Wilmington, MA and see how they are utilizing the power of Rhino and RhinoCAM to design and manufacture a thermoform mold used to form 1” thick acrylic for coal slurry tank design.

## RhinoCAM does PolyFab!

[PolyFab](#) is a Wilmington, MA based company that sells custom fabrication to clients world-wide. Anything that starts with a Clear Industrial Plastic sheet or a tube, PolyFab can machine it or form it. The company, originally founded in 1968, was purchased in 2003 by Preston Fiske, a Mechanical Engineer from Santa Barbara, California.

Preston received an MS degree from Stanford, served in the Army, graduated from UC Davis with a degree in Agricultural Engineering and worked for John Deere at their Moline, Il facility. After 5 years with John Deere Preston went to business school prior to purchasing PolyFab.



## Read More:

[RhinoCAM does PolyFab! \(In Depth Case Study\)](#)

[Poly Fabrication with RhinoCAM \(MecSoft Blog\)](#)

[Cutting Thermoform Molds with RhinoCAM \(MecSoft Blog\)](#)

Next up we travel north to [Oskayak High School](#) in Saskatoon, Saskatchewan, Canada to see how RhinoCAM and Laguna Tools is helping to teach indigenous First Nation students how to design and build their very own electric guitars!



## RhinoCAM & Laguna Tools at Oskayak High School!

[Oskayak High School](#) (Saskatoon, Saskatchewan, Canada) is a [First Nations and Metis indigenous](#) school focused on helping students keep their high school academic careers alive. The school is collaboratively governed between representatives of the Kitotiminawak Council, the Saskatoon Catholic School Board and Saskatchewan's Department of Education. [Click here to learn more...](#)



Anthony Prima is a teacher at [OSH](#). Anthony interned with and assisted his predecessor [Marc Gobeil](#) in the development of the virtual design and fabrication guitar building program there at OSH. Marc Gobeil is one of two recipients from the Greater Saskatoon Catholic Schools to receive the [Prime Minister's Award for Teaching Excellence](#) for this program!

## Read More:

[RhinoCAM & Laguna Tools at Oskayak High School! \(In Depth Case Study\)](#)

[Machining a Guitar Body with RhinoCAM and the Laguna iQ Desktop at OHS! \(MecSoft Blog\)](#)

[RhinoCAM & Laguna Tools at Oskayak High School!](#)

For the final stop in our MecSoft Customer Success 2019 tour we head south back into the US and stop at Farmington, MN where [Lance Corporal Zachary Geragi](#), USMC (medically retired), an Iraq war veteran and his team of RC hobbyists are on a historic mission.



## VisualCAM for SOLIDWORKS

### At The Minnesota Giant RC B1 Lancer Bomber Project!

[Lance Corporal Zachary Geragi](#), USMC (medically retired) from Farmington, MN, an Iraq war veteran and his team of RC hobbyists are on a historic mission. To be the first to build and fly an AMA flight certified radio controlled  $\frac{1}{8}$  scale replica of the B1 Lancer Bomber jet aircraft (the actual B1 is shown here)! Because of the technical difficulty, this feat has yet to be successfully accomplished and no easy feat it is.





The 1/8" scale jet aircraft adheres to AMA weight restrictions and is built with the same space-age technology including honeycomb & carbon fiber composite construction and 820 epoxy resin used on the actual [Lockheed Martin F-22 Raptor](#) and [F-35 Lightning](#)! All of the CNC machining g-code for this project was generated using [VisualCAM from MecSoft Corporation](#). This case study is our tribute to Zach and his team of RC hobbyists for taking on this historic project.

## Read More:

- [VisualCAM for SOLIDWORKS At The Minnesota Giant RC B1 Lancer Bomber Project! \(In Depth Case Study\)](#)
- [Building a Giant RC B1 Bomber \(MecSoft Blog\)](#)
- [Machining the 6-Sided Elevator Bearing Block \(MecSoft Blog\)](#)
- [Zachary Geragi & The Minnesota Giant RC B1 Lancer Bomber Project \(Cut Material Simulation Video\)](#)
- [VisualCAM Testimonial from Zachary Geragi \(Audio Testimonial\)](#)

# More Customer Success Videos

Here are some additional customer success videos and audio testimonials from a few of our successful customers in 2019:



[Advanced Robotic Technology](#)



[Christopher Dungey Cello Maker](#)



[Dubes Custom Street Machines](#)



[Sisters High School Sisters, OR](#)

## Listen to our Customer's Success:

Want more MecSoft Customer Success? Check out these hot pages:

- [Customer Success Videos](#)
- [Customer Case Studies](#)
- [Customer Testimonials](#)
- [Customer Spotlights](#)
- [Keith Dube discusses MecSoft & VisualCAD/CAM \(Audio Testimonial\)](#)
- [RhinoCAM Testimonial: Al Grifka of Conley Manufacturing \(Audio Testimonial\)](#)
- [RhinoCAM Testimonial: Julie Pedalino of Pedalino Bicycles \(Audio Testimonial\)](#)
- [VisualCAM Testimonial: Oliver Moore of Moore Brothers \(Audio Testimonial\)](#)
- [MecSoft Testimonial: Dave Teeters of AirMotive Specialties \(Audio Testimonial\)](#)
- [MecSoft RhinoCAM Testimonial: Bernie Solo of WorksbySolo \(Audio Testimonial\)](#)
- [RhinoCAM Testimonial: Greg White of Advanced Robotic Technology \(Audio Testimonial\)](#)
- [MecSoft Testimonial: Dr. Casey Kerrigan, OESH shoes \(Audio Testimonial\)](#)

We hope you enjoyed our 2019 installment of MecSoft Customer Success! Stay with us as we continue to build the future, one CAM user at a time! Brought to you by [MecSoft Corporation - Your CAM Partner!](#)