

Mobile Intelligent Spraying Technologies

Dear Potential Sponsor,

We are writing in hope of your support and sponsorship for Mobile Intelligent Spraying Technologies (MIST). We are a student-run team of Mechatronics Engineers from the University of Waterloo working on our fourth-year capstone project, focusing on developing an autonomous solution targeted towards interior painting of homes. Your support extends our education and will provide us with extensive learning opportunities while pushing forward a stagnant industry with a novel solution.

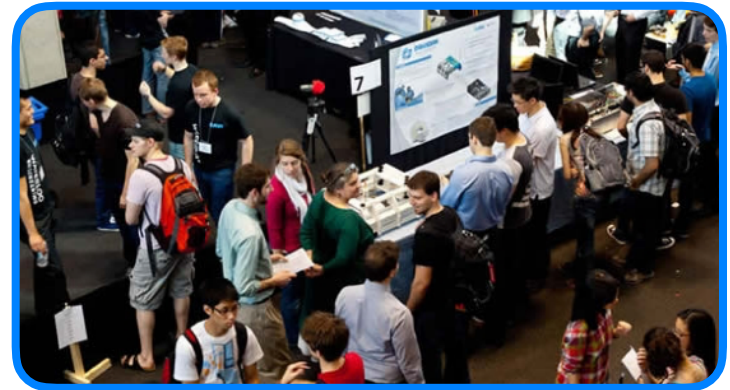
Investing in our team means investing in the community and in the professional development of STEM students as they form the future workforce. There are many rewarding benefit for sponsors - in addition to recognition and representation on our product, apparel and social media - you will strengthen your relation with the University of Waterloo and support the young eager engineers of tomorrow.

Warmest regards,

The MIST Team

MIST

Mobile Intelligent Spraying Technologies



Capstone:
ENTREPRENEURIAL
by Design®



UNIVERSITY OF WATERLOO
FACULTY OF ENGINEERING

Who are we?

We are a dedicated team of five Mechatronics Engineering students, with a passion for excellence. We strongly believe in STEM education and the immense value it can provide to society. Your support will enable us to enhance our engineering design and project management skills by allowing us to develop and apply our knowledge, as we execute our vision.



Shubham

Dhruv

Hammad

Baraa

Utkarsh

MIST

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Where do we work?

We have experience taking classroom knowledge to the real-world. Our team is comprised of members who have held vital roles at industry-leading companies during our co-operative education experiences.



UBER

NVIDIA



ANSYS

HATCH™

NUVATION
ENGINEERING



CHKISTIE®

MIST

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The end goal

What?

The annual Waterloo Engineering Design Symposium brings together students, faculty, and renowned companies to witness the capstone projects that students develop in just 6 months.

When?

March 23, 2018

Where?

Davis Center,
University of Waterloo

You're welcome to attend!

MIST

Mobile Intelligent Spraying Technologies

Event sponsors include:



CLEARPATH
ROBOTICS™

Q QUANSER



1000+ attendees, including media coverage



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What are we working on?

Problem



- Construction projects are delayed



Causes



- Finishing touches such as painting



Current solution



- Manual
- Time-consuming
- Costly



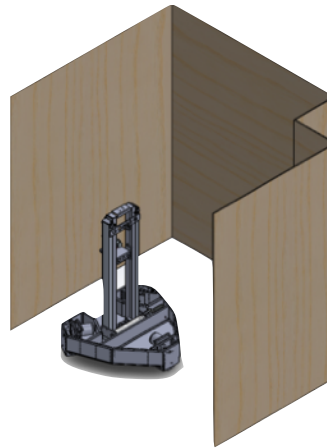
Proposed solution

MIST

- Safe
- Efficient
- Cost-effective

Vision

An automated solution to optimize wall-painting, through the minimization of human interaction.



MIST

Mobile Intelligent Spraying Technologies



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Project Budget

Mechanical

- Powertrain ~ \$490
- Superstructure ~ \$2000
- Hardware ~ \$100

Power

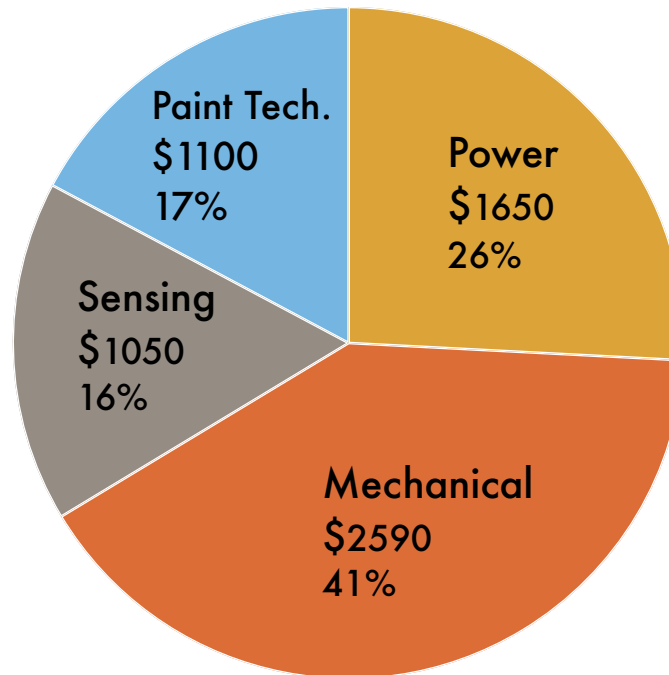
- Motor Controllers ~ \$300
- MCU/PCB Dev. ~ \$1150
- Battery/Voltage Reg. ~ \$200

Sensing

- Camera ~ \$450
- Laser Scanner ~ \$200
- Odometry ~ \$400

Paint Tech.

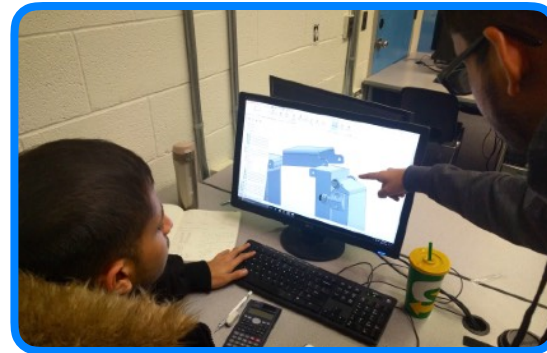
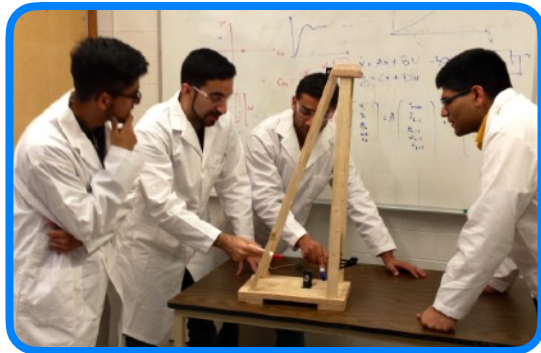
- Airless Sprayer ~ \$300
- Paint Nozzle ~ \$900



Total
\$6390

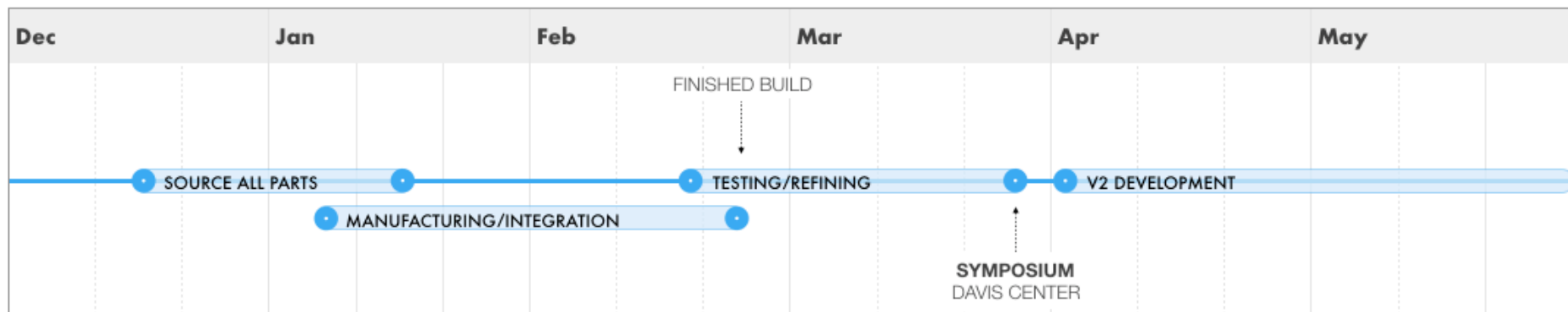
Our progress

Our team has been hard at work creating ideas, prototyping concepts, and developing the detailed design of our solution. Our efforts have been very promising as we've already proven many of our most complex technical components, such as image processing, mapping and localization, and automated paint application.



What's next?

The coming months are exciting as we ramp up our manufacturing and build phases to bring our vision to life.



Sponsorship Levels

Benefits	Platinum (\$1000+ in money, goods, or services)	Gold (Up to \$1000 in money, goods, or services)	Bronze (Up to \$250 in money, goods, or services)
Invitation to final design symposium			
Recognition on website and social media			
Sponsorship thank-you gift package			
Logo placed on robot and team apparel			
Custom promotional video promoting your sponsorship			
Opportunity to showcase robot at company events			

Current Sponsors

Platinum Sponsors:



Gold Sponsors:



Bronze Sponsors:



Support us!

By supporting MIST, your investment goes beyond just helping to develop revolutionary technology. You are enabling students to realize their potential, develop their talents and grow into the future generation of engineers and scientists. You also have the opportunity to showcase your brand in front of many industry leaders and renowned professionals at the 2018 Mechatronics Engineering Design Symposium. Supporting us will allow you to build and strengthen your relationship with the University of Waterloo, whose students and faculty have proven to be talented and influential leaders of tomorrow. Our team will not be able to achieve our ambitious goals without your gracious support. Thank you for your consideration.



<https://trymist.com>

sponsorship@trymist.com

youtube.com/channel/UC02G7j0xefY8360rPNcxE4g