

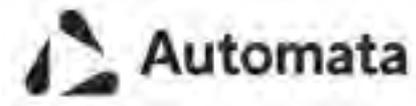
DIY Integration on a budget



Presenter

Mathew Keegan

Support & Success
Automata



Guest

Natalia de los Santos

Account Executive
Vention



Robot Integration Challenges

Doing it yourself and when a systems integrator makes sense.





Knowledge



Resource



Time



Funding



✗ Knowledge



✗ Resource



✗ Time



✓ Funding

Go for an Integrator.



Knowledge



Resource



Time



Funding

The real world.



Knowledge



Resource



Time



Funding

Case Study: Holtex

ISO 9001/2015 precision engineering company
based in Holmfirth, Yorkshire.



Case Study: Holtex

ISO 9001/2015 precision engineering company
based in Holmfirth, Yorkshire.



Unfair advantage?



- I studied computer science
- I didn't take a single robotics class
- I am not an electronics specialist
- I can't use CAD software
- I have started 3D printing as a hobby





Workflow



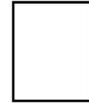
Workspace



Parts
Presentation



Programming
Connectivity



Safety

Map your Workflow.

Learn the differences between a human and robotic workforce.



Map your Workflow.

Understand how the workflow functions from a static position.



Get to know your machinery.

Discover how your devices talk to each other.



Find existing solutions.

Learning from those who went before you.

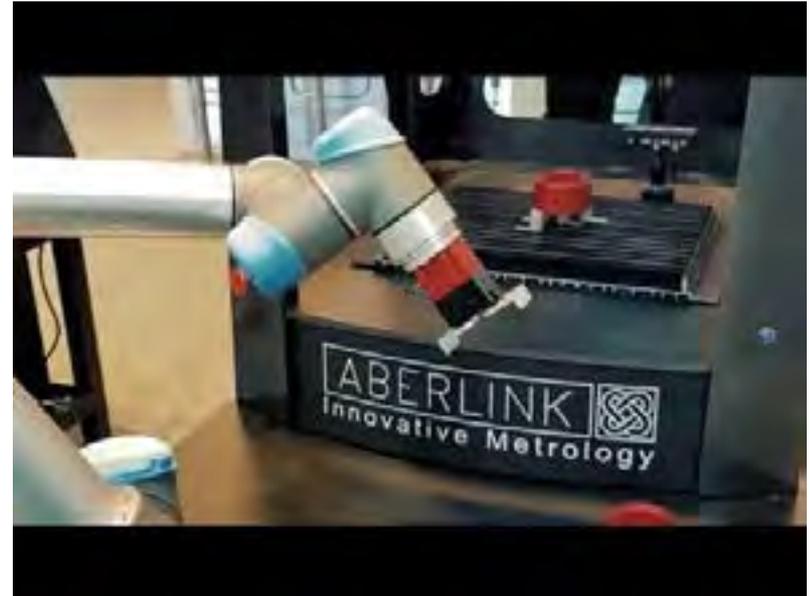
NEVER HAVE I FELT SO
CLOSE TO ANOTHER SOUL
AND YET SO HELPLESSLY ALONE
AS WHEN I GOOGLE AN ERROR
AND THERE'S ONE RESULT
A THREAD BY SOMEONE
WITH THE SAME PROBLEM
AND NO ANSWER
LAST POSTED TO IN 2003

WHO WERE YOU,
DENVERCODER9?
WHAT DID YOU SEE?!



Find existing solutions.

Learning from those who went before you.





Workflow



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Safety

Create magnificent machines.

No 3D CAD knowledge required.



Demo

Natalia de los Santos

Vention



Final Design.

A mobile platform with some nifty features.



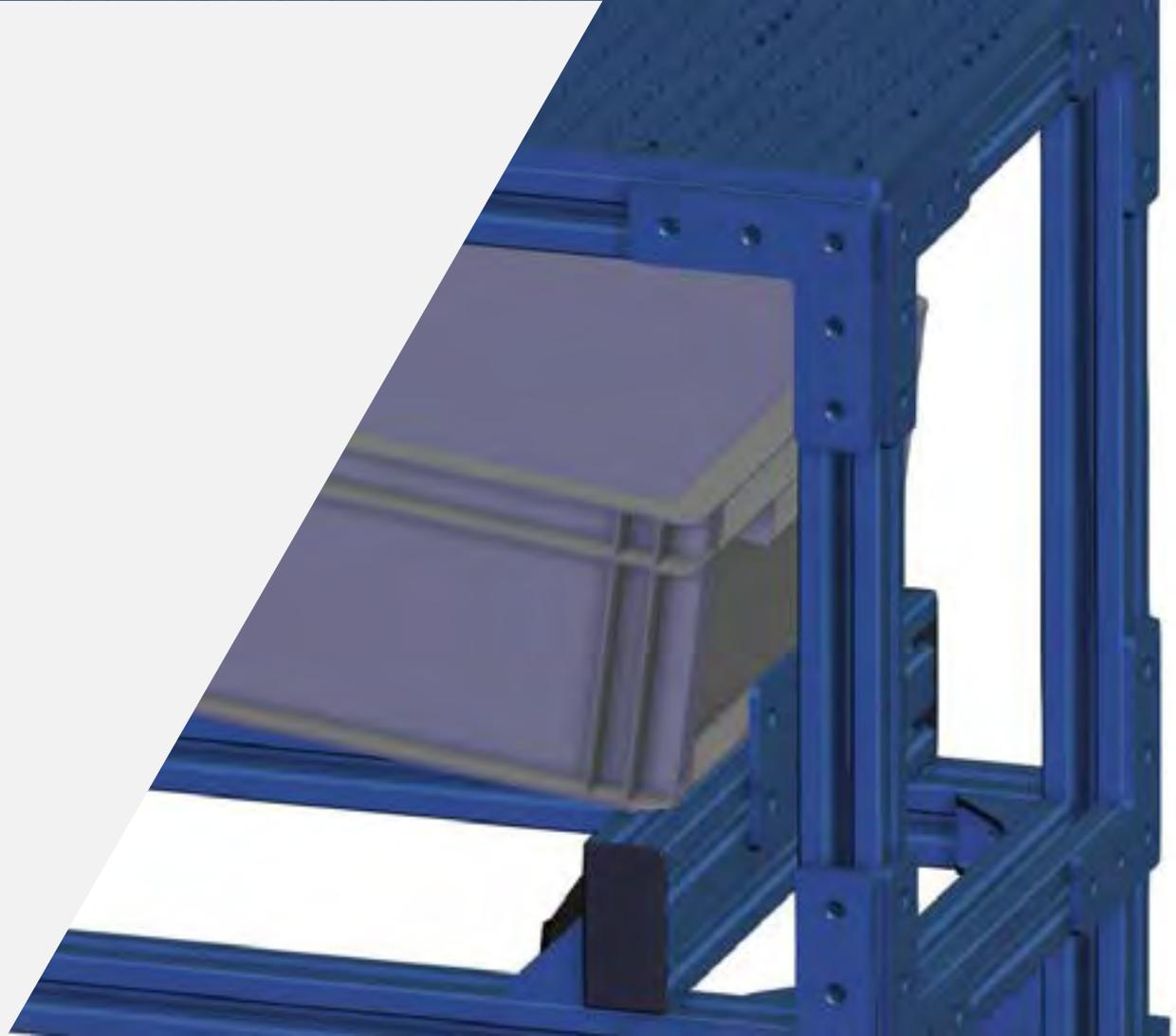
Final Design.

A mobile platform with some nifty features.



Final Design.

A mobile platform with some nifty features.



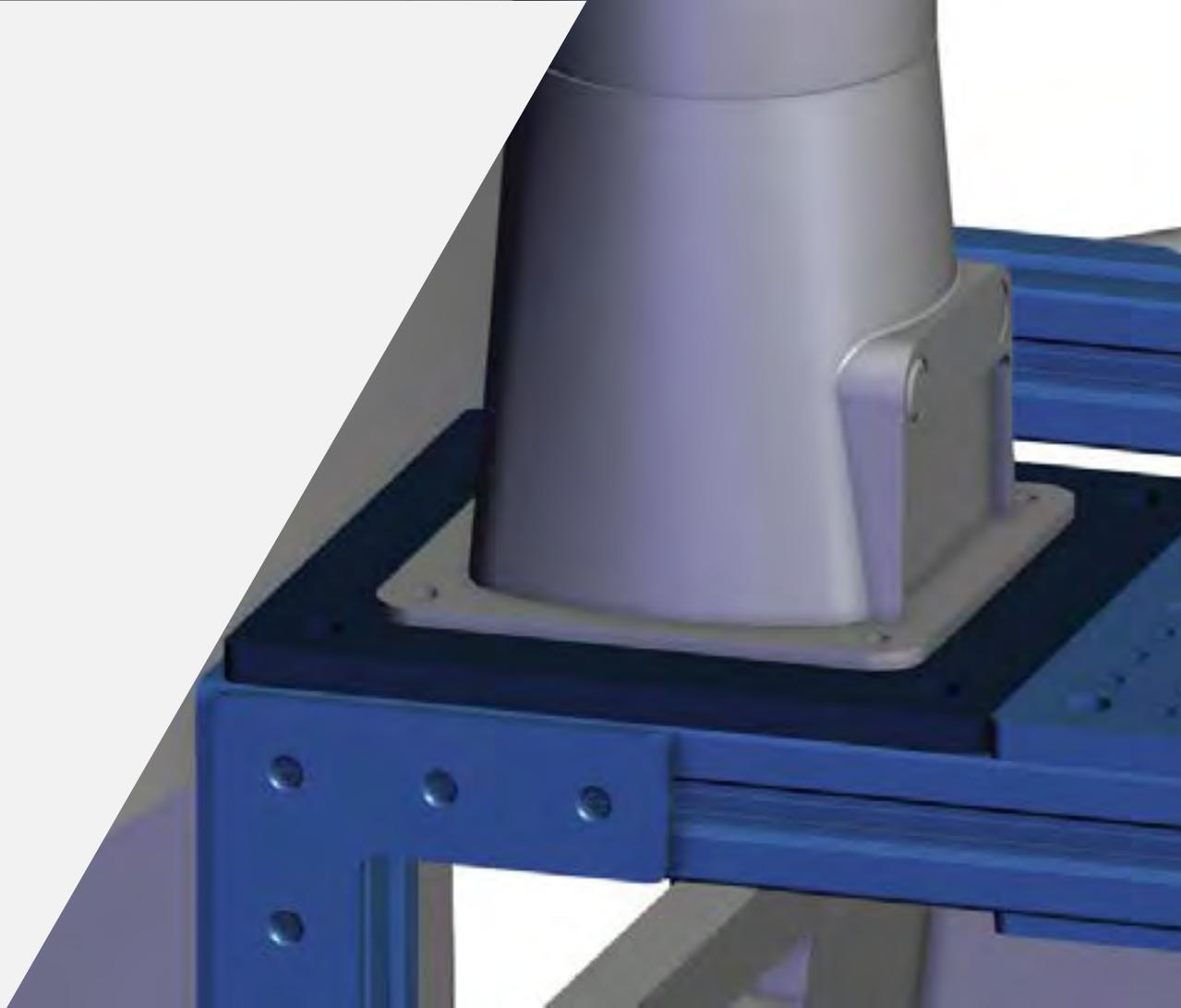
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Workflow



Workspace



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Presentation



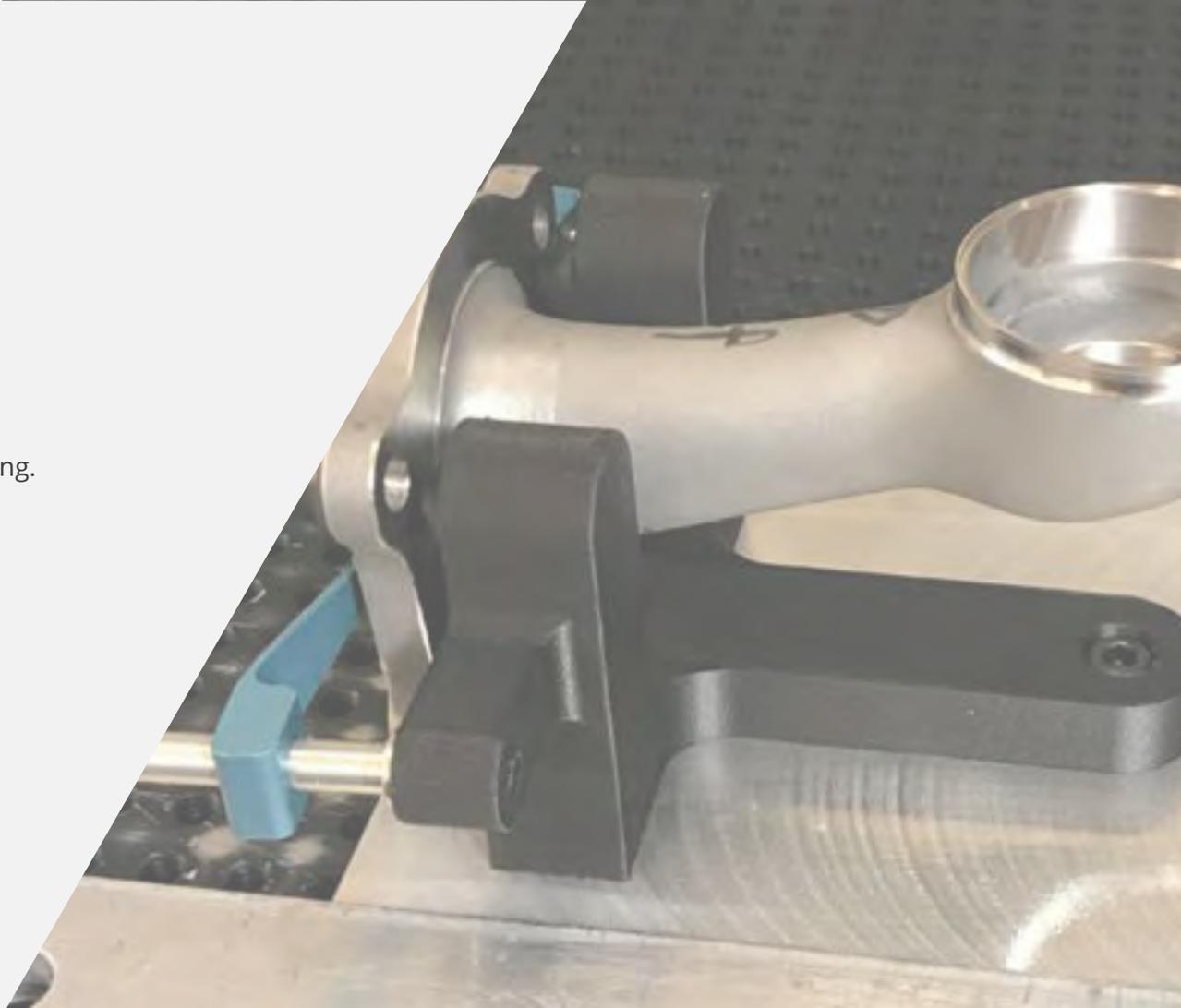
Programming
Connectivity



Safety

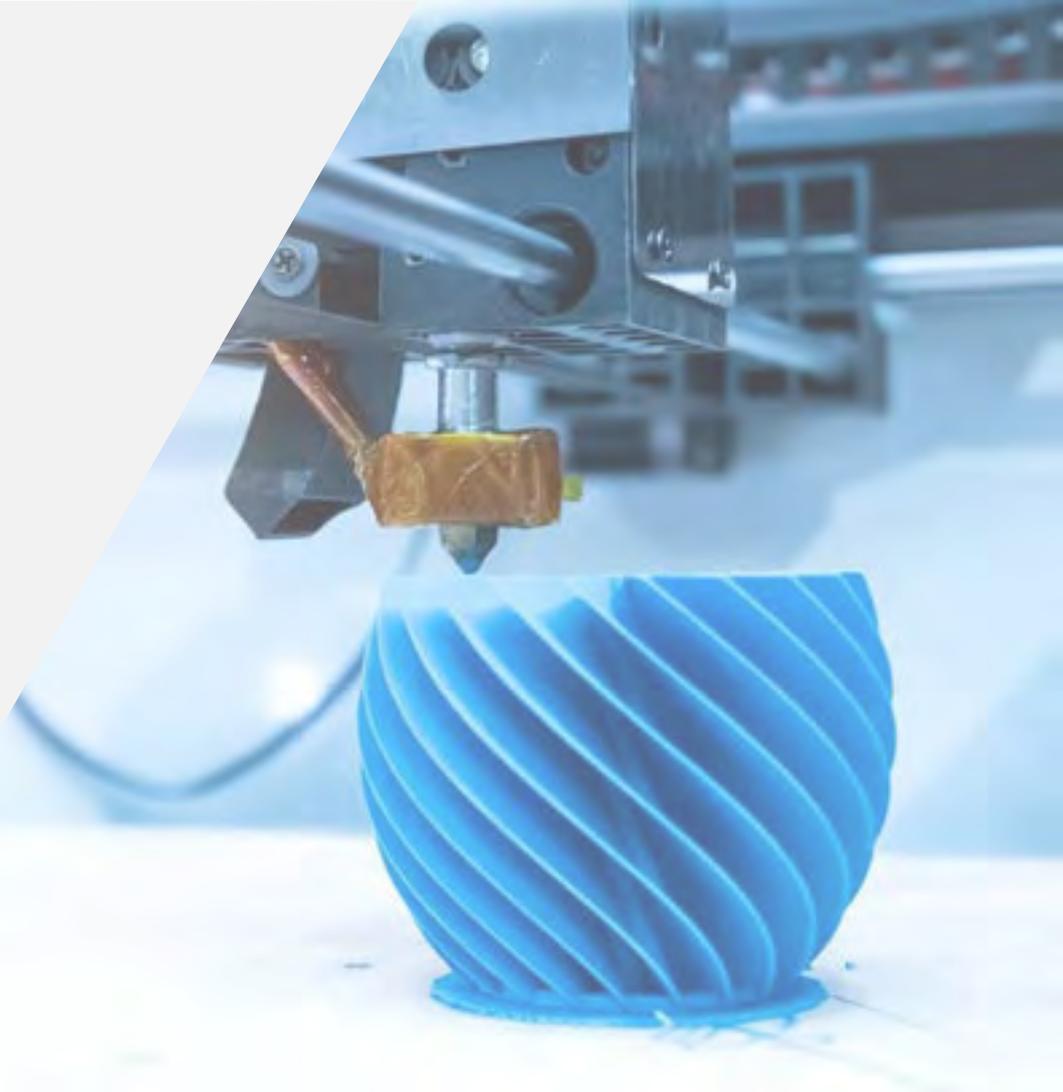
Low cost custom jigs.

Transform parts presentation with 3D printing.



Low cost custom jigs.

Transform parts presentation with 3D printing.



Low cost custom jigs.

Outsource your 3D prints quickly and easily.



Aligning. Made Easy.

Flexible and fast alignment of jigs.





Workflow



Workspace



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Safety

How robots used to look.

Big, scary, and complicated.



How they look today.

Sleek. Simple. Affordable.



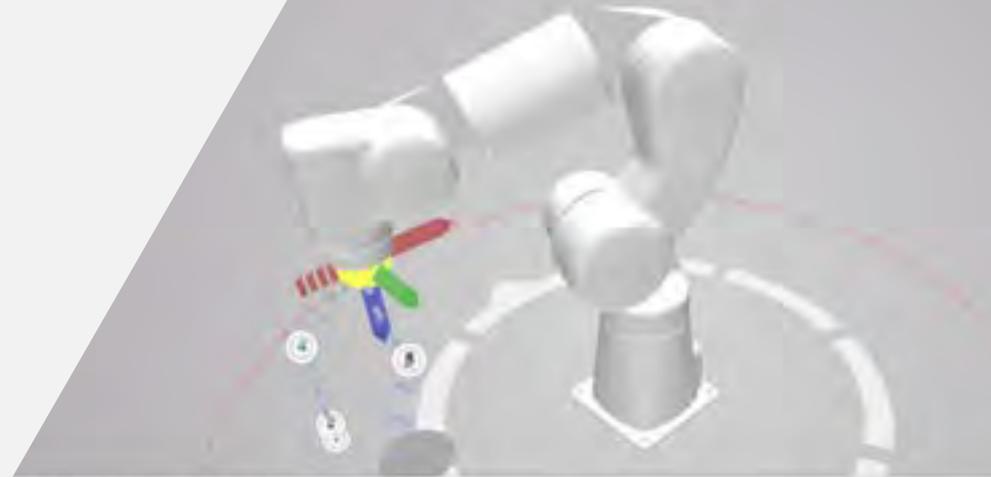
Modern Connectivity.

Eva is turning the industry on its head with its sleek, small profile.



Codeless Integration.

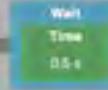
Eva is turning the industry on its head with its sleek, small profile.



Duration: 14.12s



Set Output
DO - 3
Set no 1



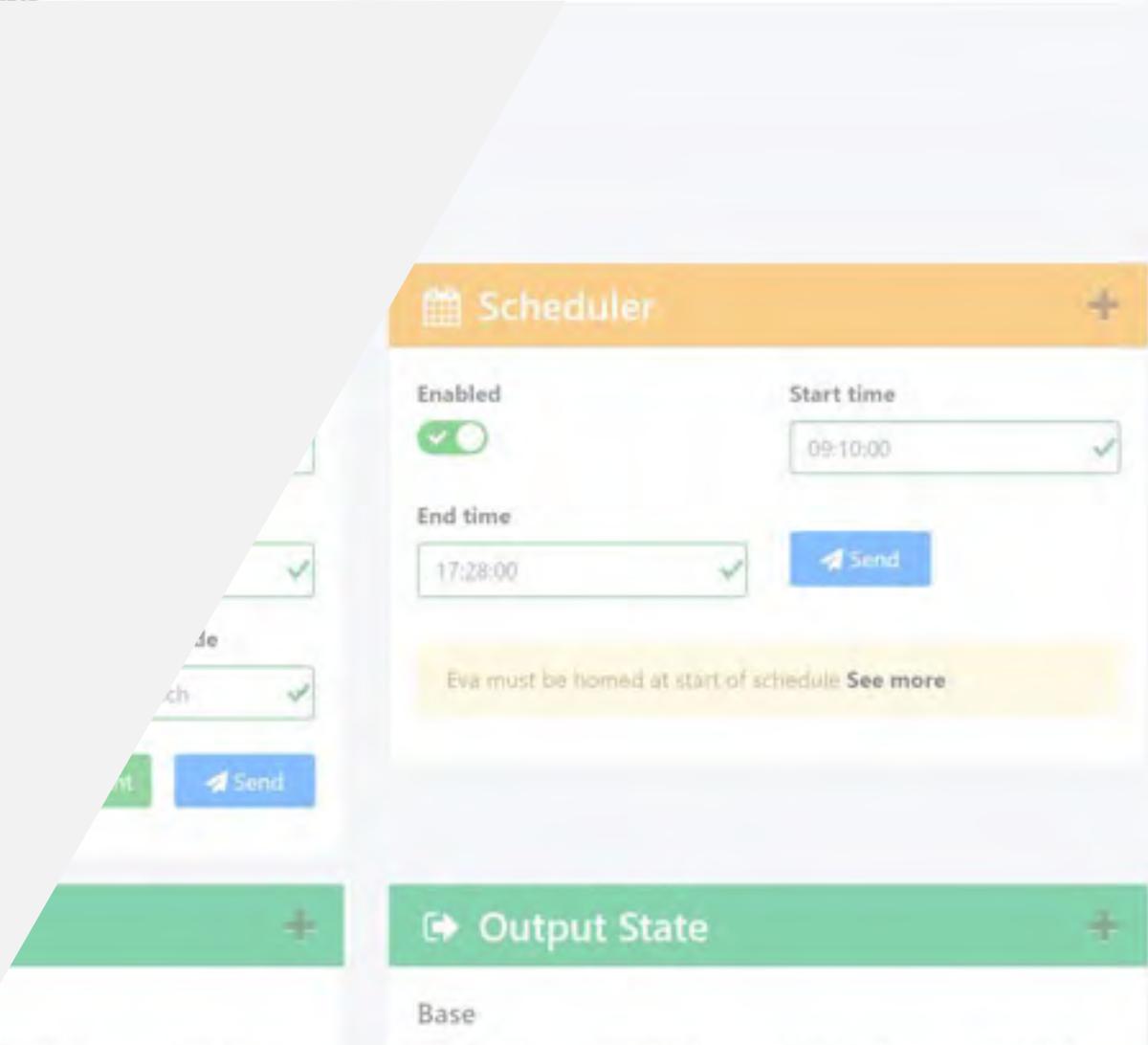
Modern Connectivity.

Eva is turning the industry on its head with its sleek, small profile.



Cost Effective.

Design that helps manufacturers to run efficiently.





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Safety



Reviewing our design.

A mobile platform with some nifty features.



Giving you a helping hand.

Free risk assessment materials from Automata.





Workflow



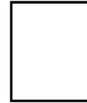
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Safety

DIY Integration on a budget

Thanks for joining! Enjoy the weekend.

