

AlphaWindsim.



Wiring Diagrams

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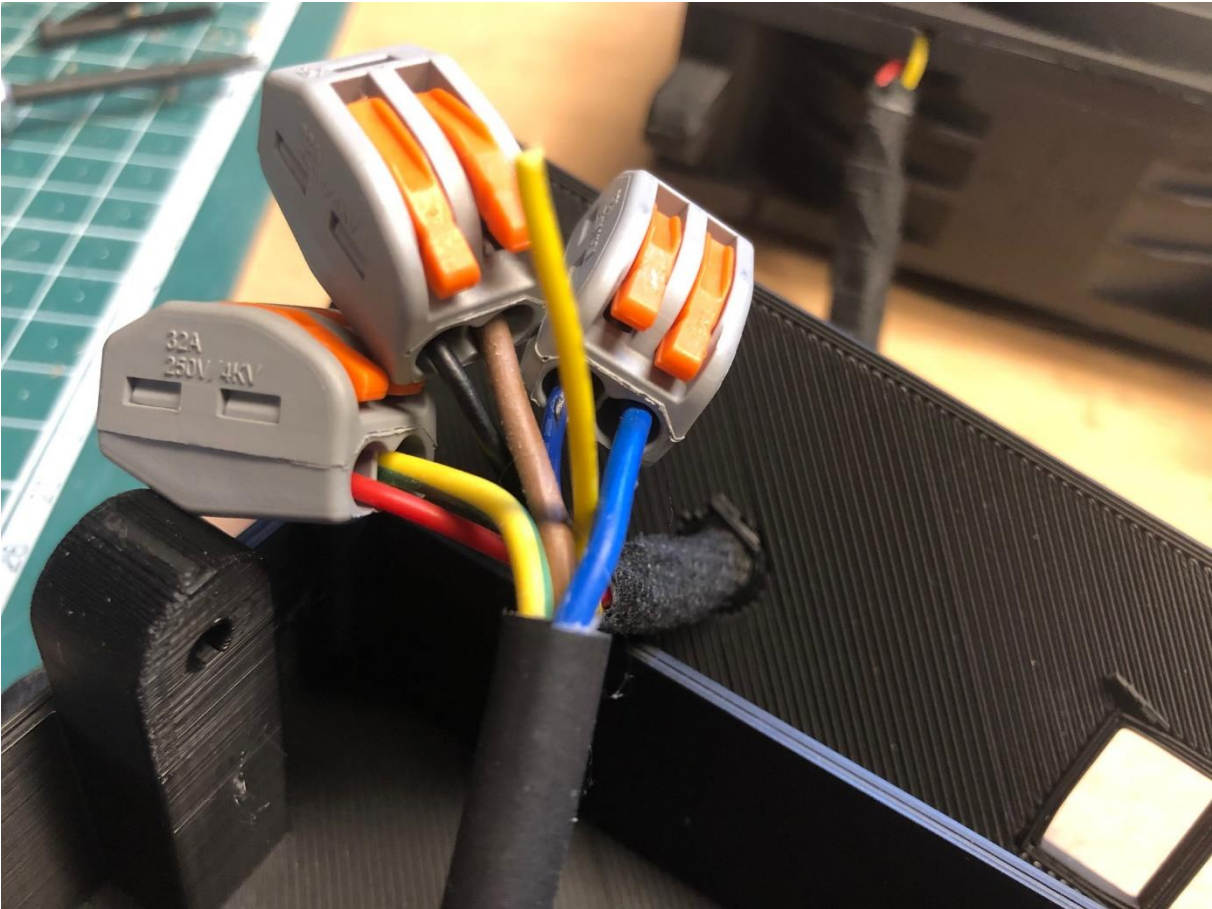
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Wiring the Wind Simulator is done in a few steps, below you will find information and pictures for installation. The jumper cables for the Arduino can variate in color.

Wiring the fanbox

The fan has four cables (red, black, blue and yellow) we do not use the yellow cable.

	Fan to Box	Wire out FanBox
PWM	Blue	Blue
Plus	Red	Yellow/Green
Negative	Black	Brown

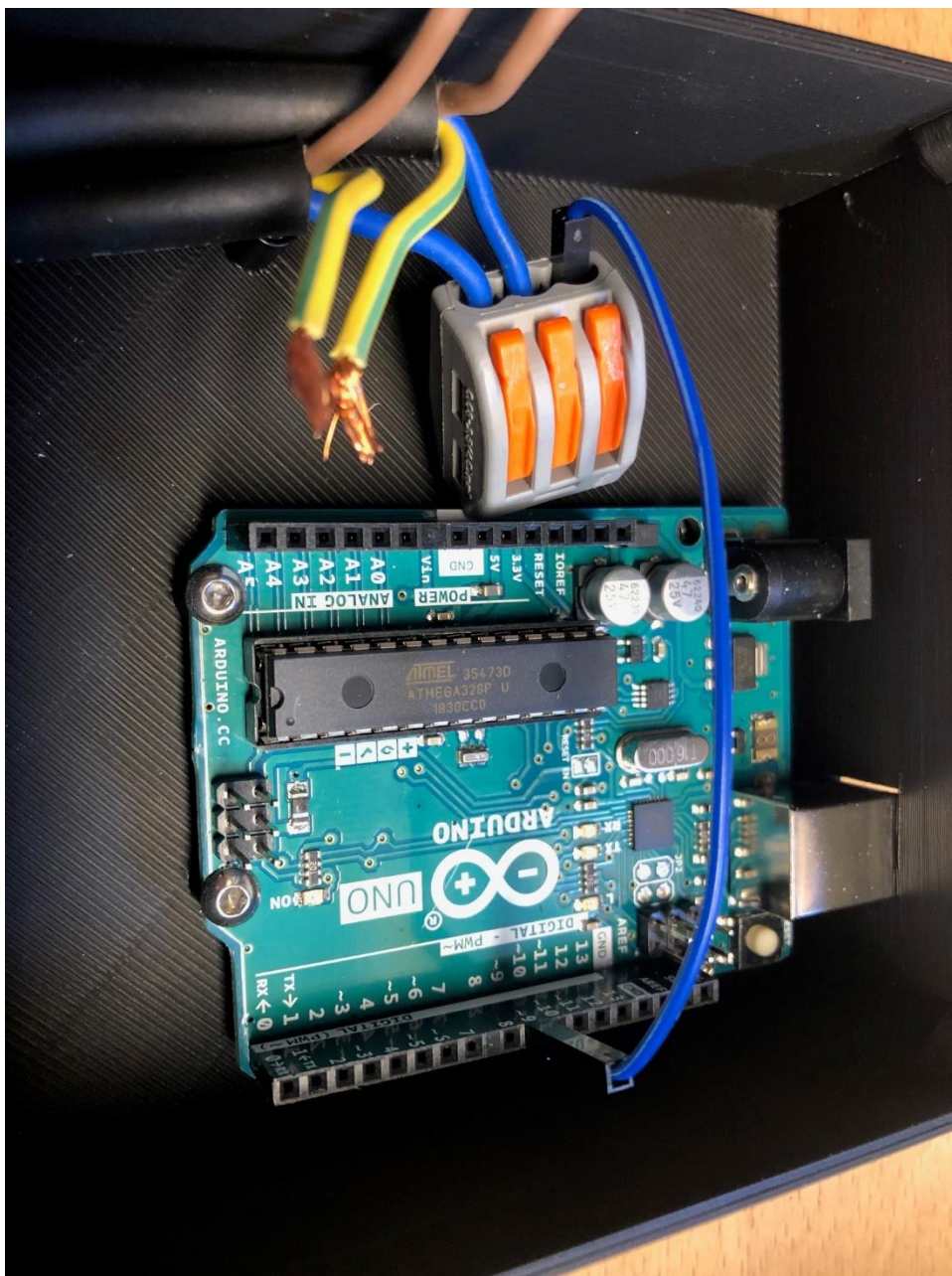


Wiring the controller box

Wiring the controller box we do in a few steps. Make sure you installed the Arduino Uno before wiring.

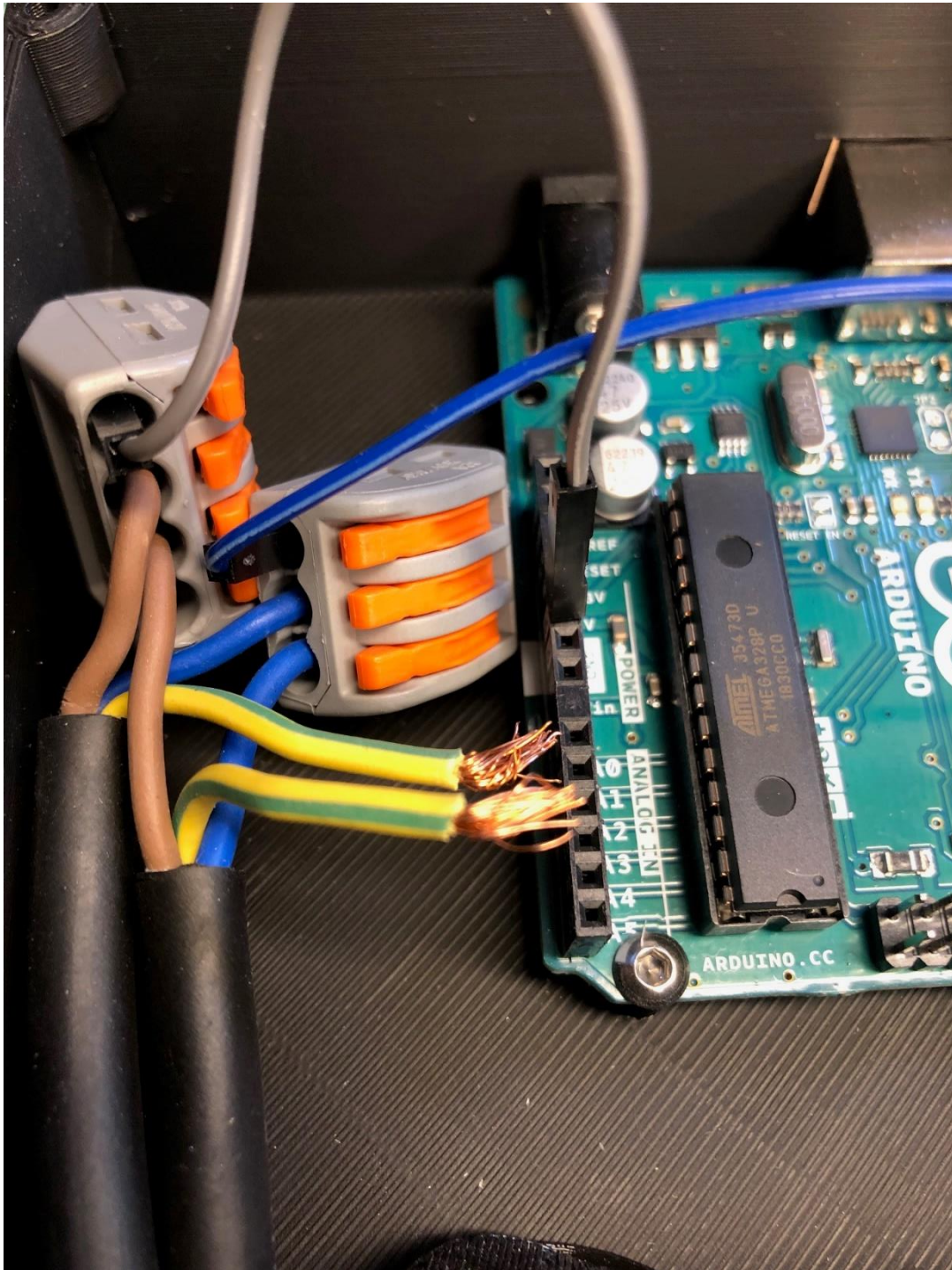
1. Connect the PWM cables

The PWM cables are the blue cables coming from the fans to the controller box. Connect the two incoming PWM cables to the welding caps. And add a jumper cable to Arduino Port 9 shown in the picture below.



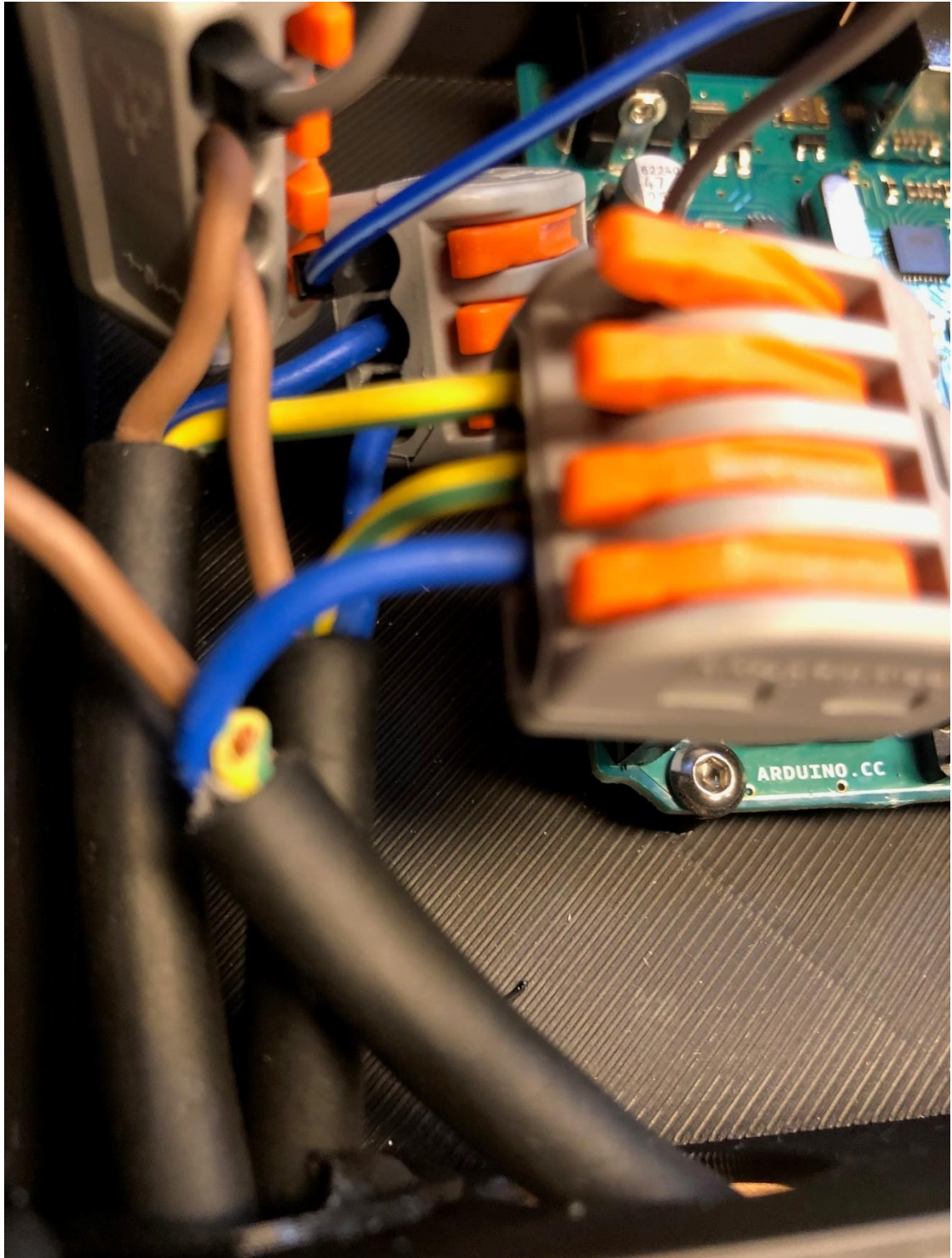
2. Connect the GND (Brown) cables.

The GND (ground) cables are the brown cables coming from the fans to the controller box. Connect the two incoming GND cables to the welding caps. And add a jumper cable to the Arduino GND Port (doesn't matter which one) as shown in the picture below.



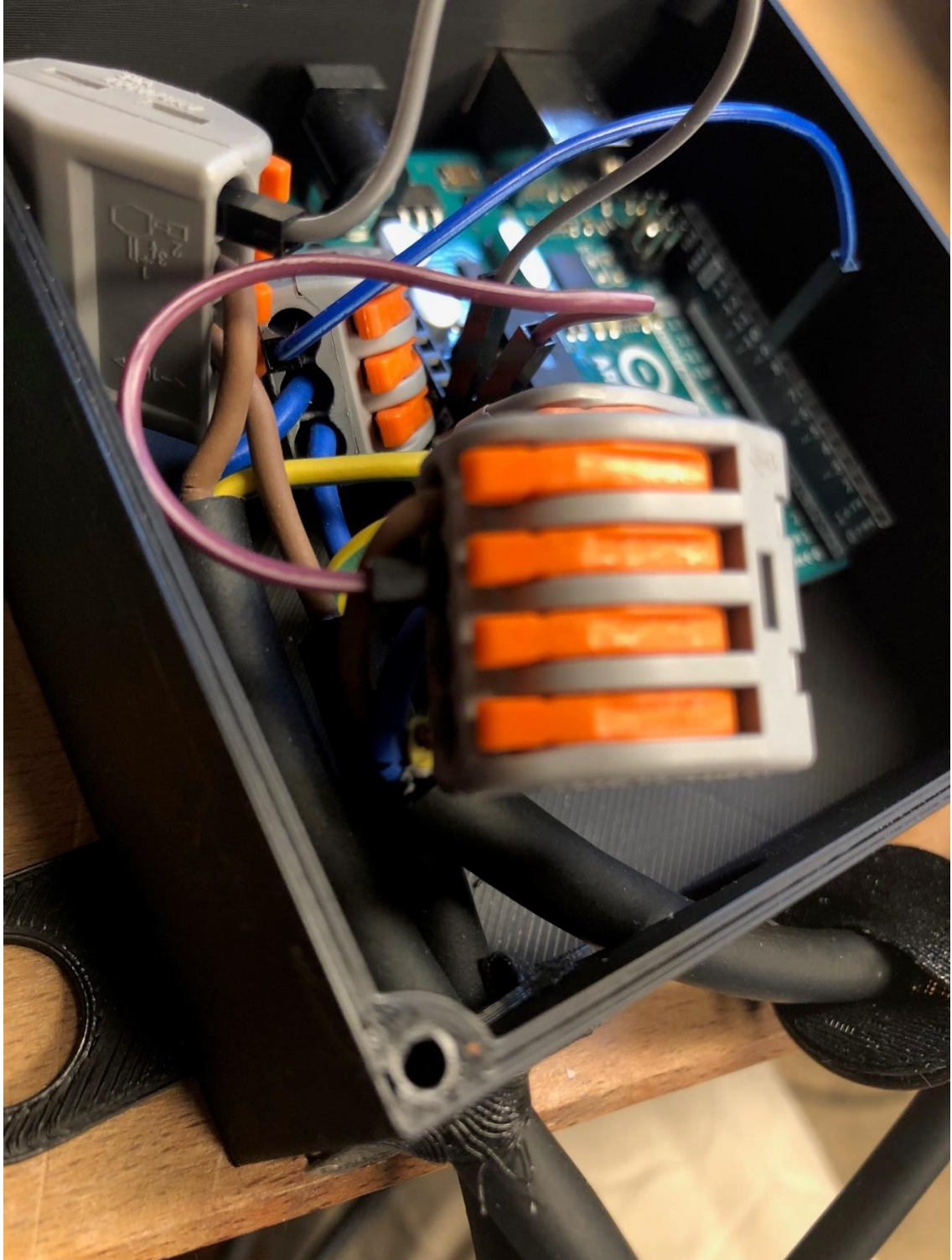
3. Connect the PLUS (Yellow/Green) Cables

The PLUS cables are the yellow/green cables coming from the fans to the controller box. And the blue cable going out of the controller box to the power supply. Connect the two incoming yellow/green cables to the welding caps and add the blue outgoing cable to it, as shown in the picture below.



4. Connect the outgoing GND (brown) cable

We separate the incoming ground from the outgoing ground on the Arduino Uno. Connect the outgoing ground cable (brown) to the welding cap and add a jumper cable to the second GND port on the Arduino Uno as shown in the picture below.



And we are all done! Enjoy your Wind Simulator.