Elevator Pitch

For any number of reasons, including but not limited to, health, self-sustainability, and entertainment, many people enjoy gardening. As anybody who has gardened before knows, many plants require very specific environments to flourish. Maintaining these environments can be both difficult and time consuming to achieve. To simplify and speed up this process, I will create a system that monitors and corrects environmental factors such as temperature, humidity, fresh air flow, and light. It will achieve this through the combination of many already existing technologies, such as thermometers, heaters, humidifiers, and lights. This system can be scaled from an entire room to a box that can sit on a kitchen table. I will create a desktop-sized version of this system in a box to be used for young or small plants. Though this is primarily aimed toward agriculture, this could also have a wide array of uses, including product tests, biological experiments, and mycological studies. Anywhere environmental factors need to be controlled, this device will create an easy, simple way to achieve such control.