



meet
THE **P**LAN**T** **S**HELF...

yildak industries are proud to announce the future of indoor horticulture.

The Plant Shelf is an electronic shelf that is designed specifically to display and keep plants healthy. With the help of a microcontroller, couple of sensors and LEDs - the plant shelf interacts with the user, keeping him/her informed about the plant's current conditions. It can also save/import data to the cloud. You can see your plant's overall behaviour since birth and study your data with the help of interactive software/graphs.

wifi capable

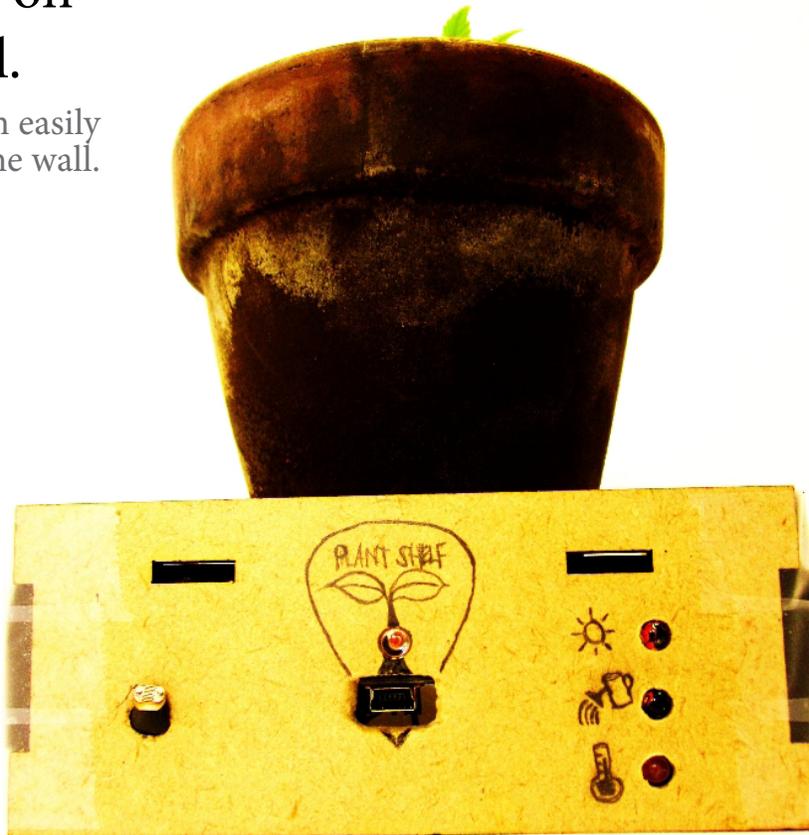
cloud ready



The Plant Shelf,
a form of live art.

Hang it on
the wall.

the Plant Shelf can easily
be mounted the wall.



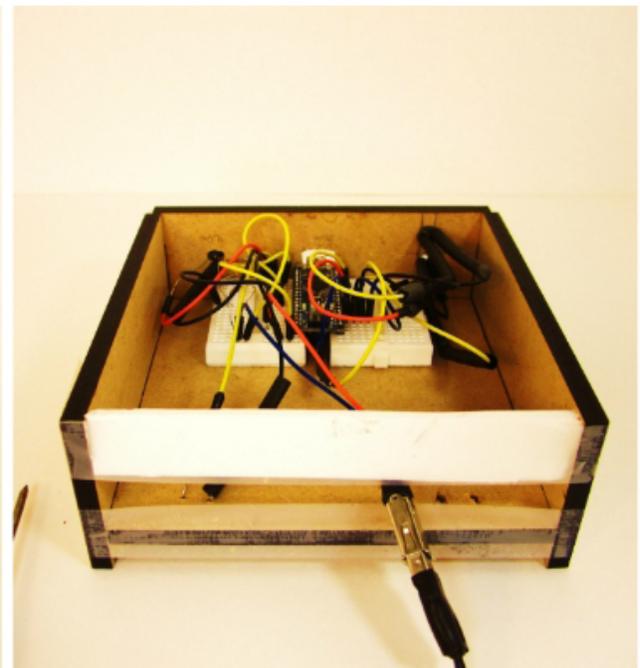
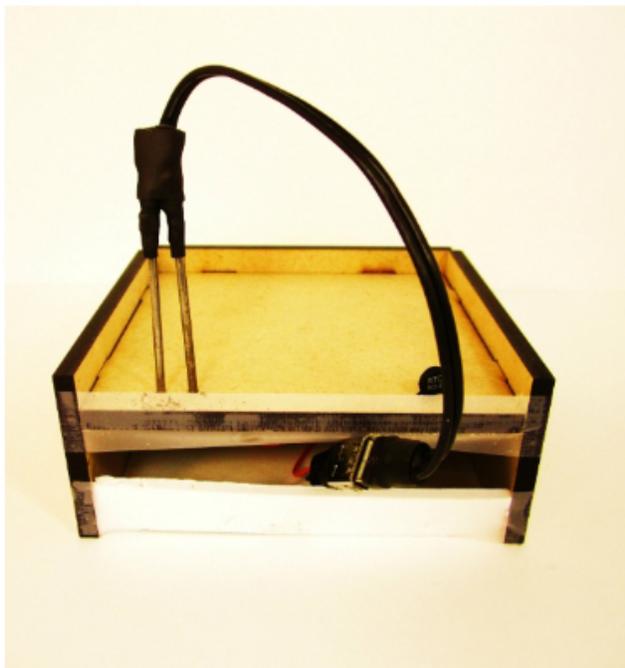
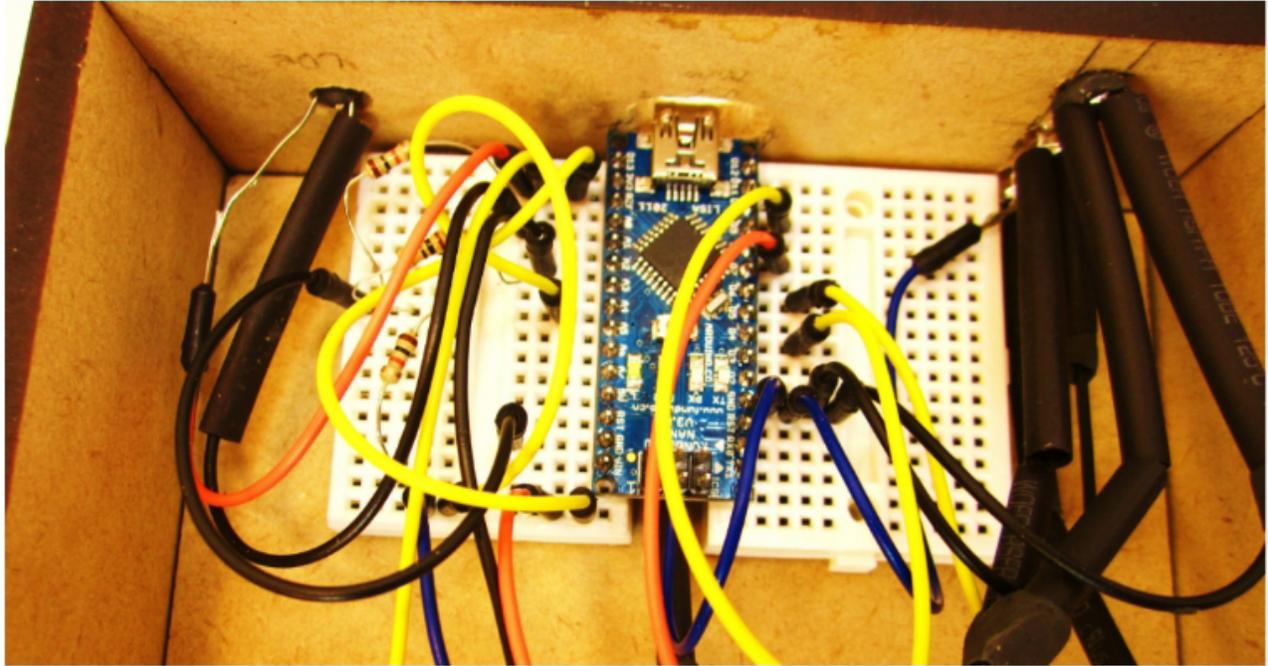
easy slide on/off
system eliminates
the need for tools
after installation.

Whether at home or in the office, the plant shelf can help you
keep a companion plant friend happy & healthy.



under the hood

The Plant Shelf consists of 1x arduino nano, 1x LDR photoresistor, 1x NTC transistor, 1x soil probes, 4x 3mm LEDs, 1x wifi shield (with SD card), 2x breadboard (with jumper cables)



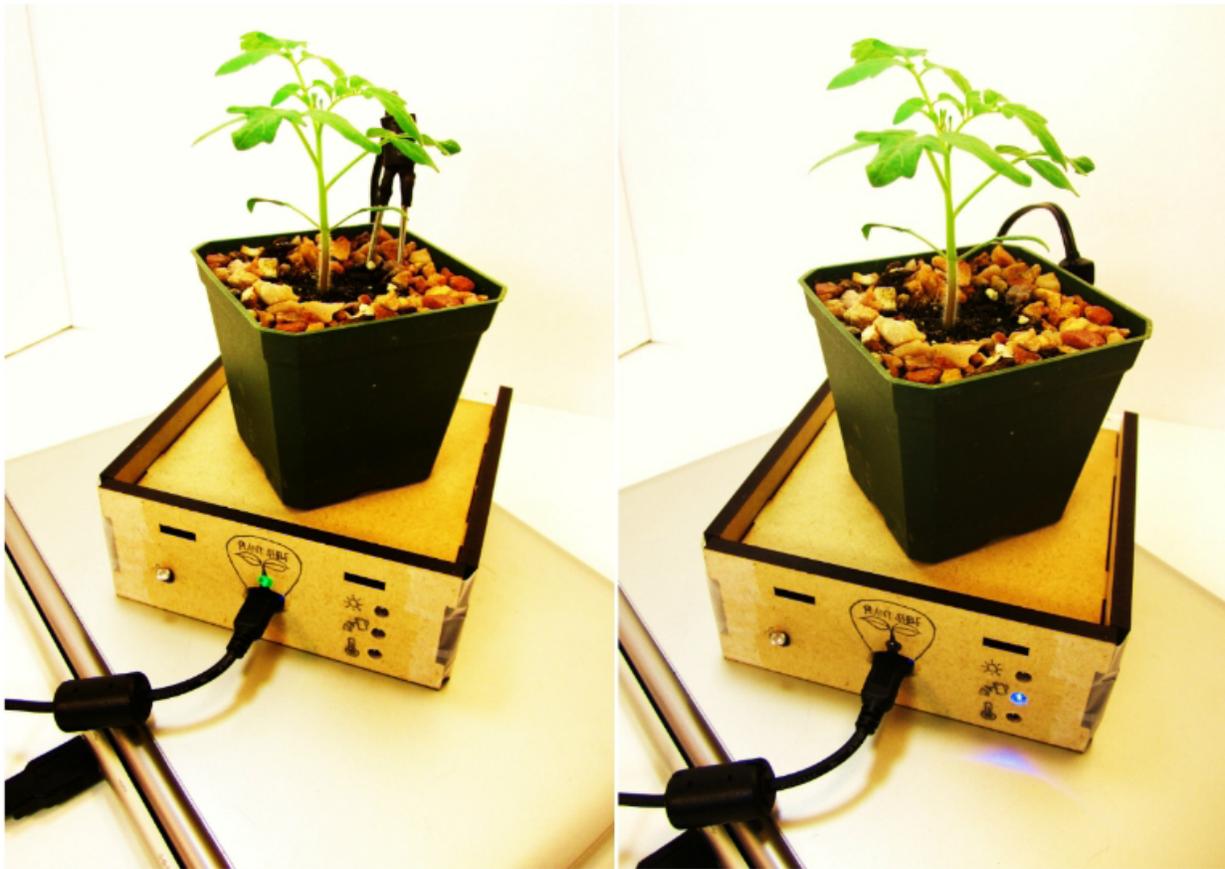
it can be powered and re-programmed via a mini usb cable. it can also perform stand alone operation with 1x 9V battery, 4x AA batteries, or 1x on board 5V 20000mAh rechargeable battery.

mini USB mode

connects directly to your laptop/desktop computer for easy programming and re-configuration. it can also be powered by any USB 2.0 power source



an example scenario



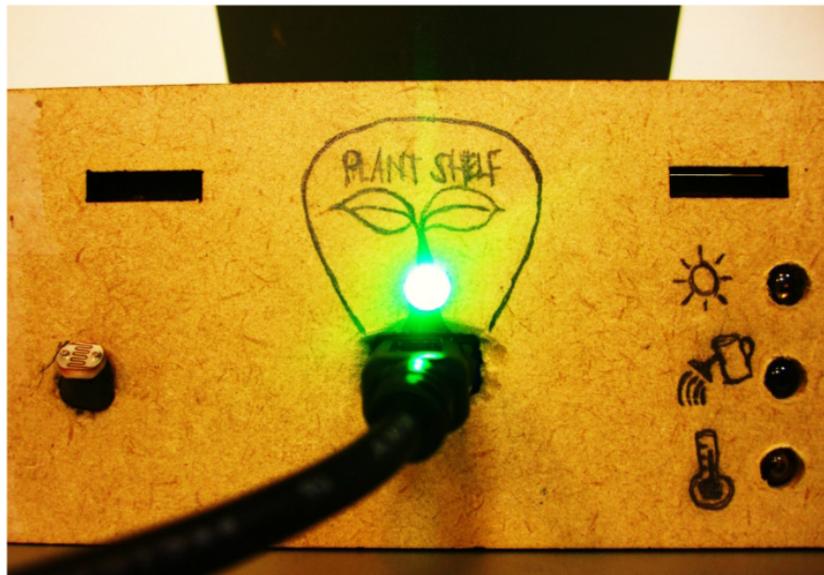
when all conditions are optimal (sun, water, temperature) the plant shelf stays lit green indicating perfect health. if either of the sensors are triggered the corresponding light comes on (sun>yellow, water>blue, temperature>red) and notifies the user to take action.



A great tool to teach kids how to grow plants and basic electronics as well as programming

It can be given as a gift to a loved one who has no prior experience with plants and/or electronics.

Best gardening help for the elderly who may not be able to pay enough attention to each plant he/she has.



With the Plant Shelf you learn how to be a gardener as you use it.
No prior experience is needed.
It is like playing a game !

a DIY kit & an open-source project



Each package will include every piece of **electronic and non-electronic hardware** needed to put the plant shelf together.



usb cable, adhesive and **rechargeable batteries** will also be included.

there will be no detailed user manual as all the documentation will be readily available **online** (only a single sheet of setup guide)



support
yildak industries

we are a new age electronics company. **simple design and ease of use** are our top priorities.

our team consists of 2 designers, 2 engineers, a webpage/online marketing specialist, a lawyer and a business manager.

the following page explains where the **funds** will go towards.

we hope that you enjoyed our **vision** as much as we enjoyed creating it.!



financial