



meet  
**T**HE **P**LAN**T****D**OCTOR...

by yildak technologies © 2014  
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# yildak technologies are proud to announce the future of indoor horticulture.

The Plant Doctor is an electronic device that is designed specifically to keep plants healthy. With the help of a microcontroller, couple of sensors and LEDs - the plant doctor **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. It also takes pictures and collaborates them into a movie where you can watch it as a time-lapse movie, online. The Plant Doctor tags the plant it is attached to and creates an account on tagaplant.net (a facebook of plants). This way the user can see the overall growth data from anywhere with internet access. Turn on the camera and watch each plant real-time.



wifi capable  
5MP webcam



cloud ready  
tagaplant.net certified

The Plant Doctor. a new way of gardening. a risk free operation where you are the teacher, the student and the plant.

# Ready to use with any existing plant pot

Attach the Plant Doctor to a plant that you may already have in your house or garden and let it take care of the rest.



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



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

# under the hood

The Plant Doctor consists of 1x arduino nano, 1x LDR photoresistor, 1x NTC transistor, 1x soil probes, 4x 3mm LEDs, 1x wifi shield (with SD card), 1x 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.

# rechargeable battery

it can be used indoors or outdoors. with a 5V 20000mAh rechargeable battery and an embedded solar panel gives you 30+ days of continuous usage with a single charge.



## mini USB mode

connects directly to your laptop/desktop computer for easy programming and reconfiguration. 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 doctor 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.



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



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.

# a DIY kit & an open-source project



Each package will include every piece of **electronic and non-electronic** hardware needed to put the plant doctor 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)

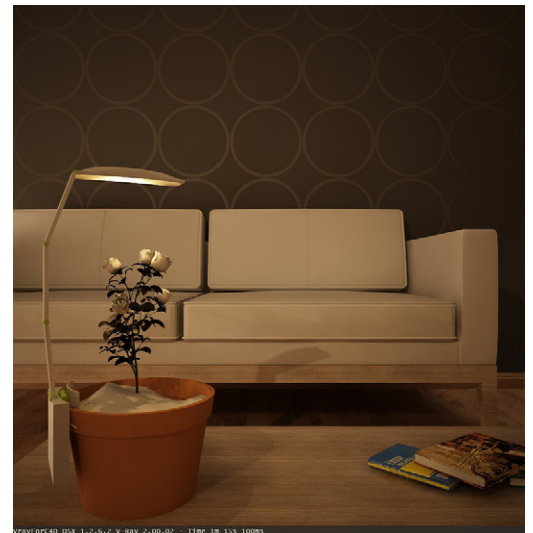
## support yildak technologies

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.

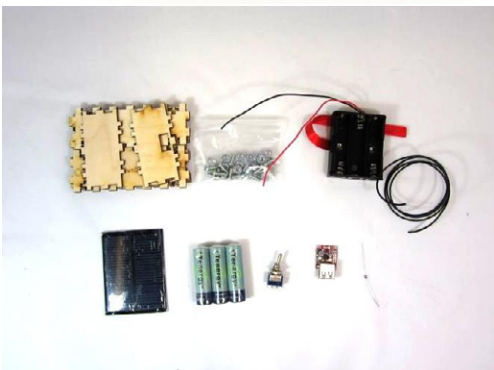
we hope that you enjoyed our **vision** as much as we enjoyed creating it.!



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# financial