Improving irrigation management through a web-based smart platform

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Internet shopping/E-commerce

Value of sales:
USD 17.8 B: Sales of Brazil for a year
Traditional manual irrigation systems
Smart irrigation systems

Automatic irrigation timer

ET-based controller

SMS-based controller
Weather smart irrigation system

1. Acquire WF data
2. Irrigation strategies
3. How much water needed?
4. Yes
5. Magnetic valve
6. No
7. Next day
8. Dry enough?
9. Yes
10. No
11. Soil water sensor
12. No
13. Yes
Web-based smart irrigation platform

Clients

Cloud

Registered users

GPRS

Soil moisture data

Irrigation command

Irrigation platform

Weather forecast database
Advantages of the platform

✓ Totally automatic and unattended - Reduced labor inputs – High paying jobs for poverty alleviation

✓ Increased effective rainfall - Considerable water savings – Supporting sustainable water management

✓ A completely new way for irrigation water management
Applications
Applications

Wuhan University Campus

Central Irrigation Experiment Station of Jiangxi Province
武汉达润达科技发展有限公司

Wuhan Darenda Technologies Co. Ltd

Applications

智慧灌溉平台

通过应用先进的灌溉技术，提高农业生产的效率和效益，实现节水灌溉，促进可持续发展。
Thank you very much!

Shukria!

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