



Land Preparation



Planting



Nutrient  
Management



Pest  
Management



Harvest



Water  
Management



# Precision Farming

THAUS Co.,Ltd.

Crop Tech Asia (CTA) 17/9/59

# Trimble Total Farm Solution



# Trimble Guidance Components

1. Display/GPS Module
2. GPS/Radio Antenna
3. Navigation Controller
4. Steering Sensors
5. Hydraulic Valves/Manifold
6. RTK Base Station



# Trimble Guidance

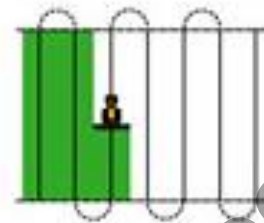
HEADLAND



PIVOT



A-B PATTERN

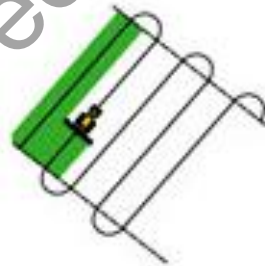


ADAPTIVE CURVE



Seven patterns to choose from depending on the shape of your field

A+ PATTERN

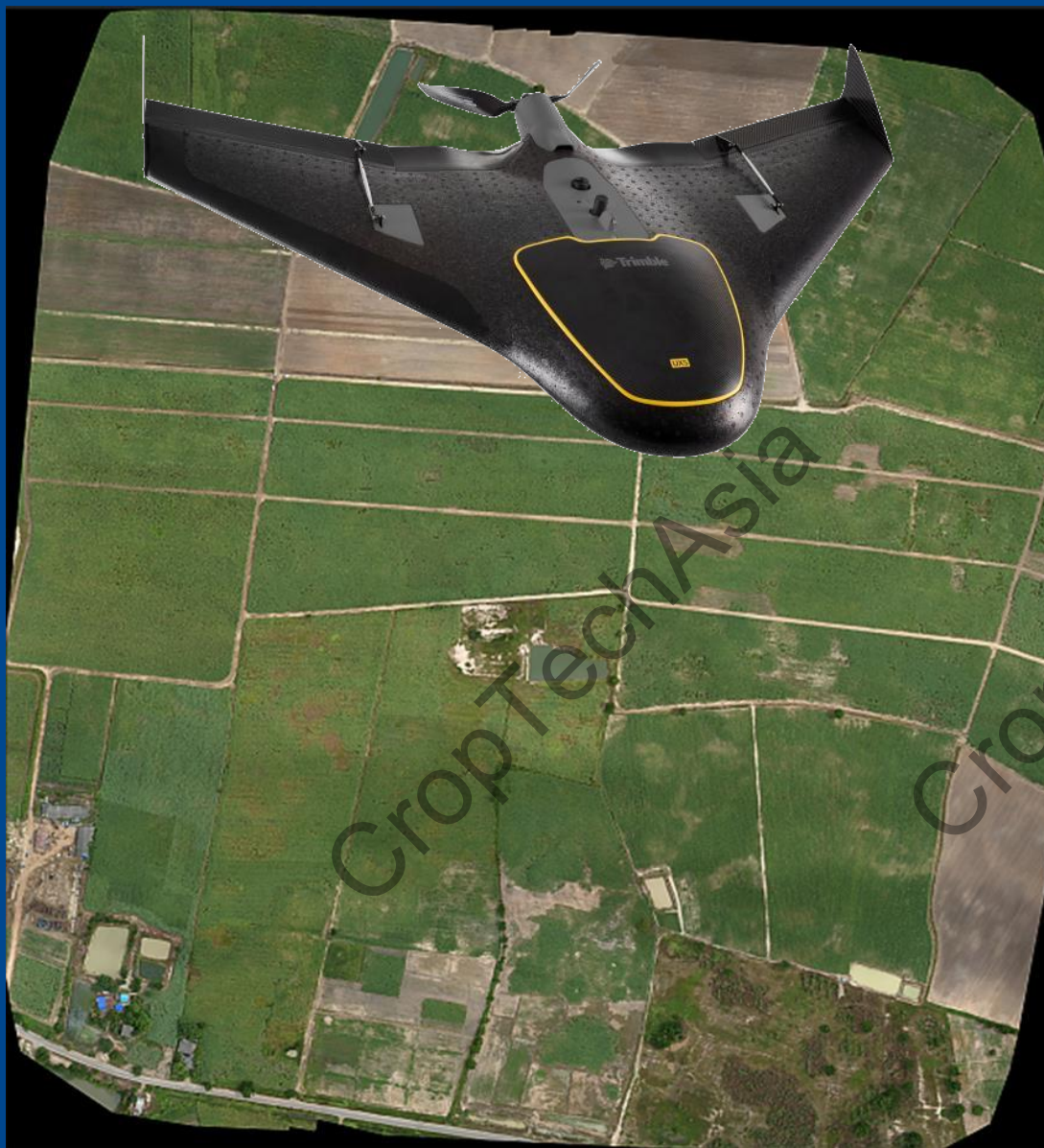


IDENTICAL CURVE



FREEFORM™





ภาพแสดงแปลงที่ทำการบิน  
สำรวจ โดยใช้อากาศยานไร้  
คนขับ **Trimble UAV**  
เวลาในการบิน **40** นาที ได้  
พื้นที่ **1.20** ตร.กม  
ที่ความสูงการบิน **150 m**  
ความละเอียดของภาพ **5**  
**cm/pixel**

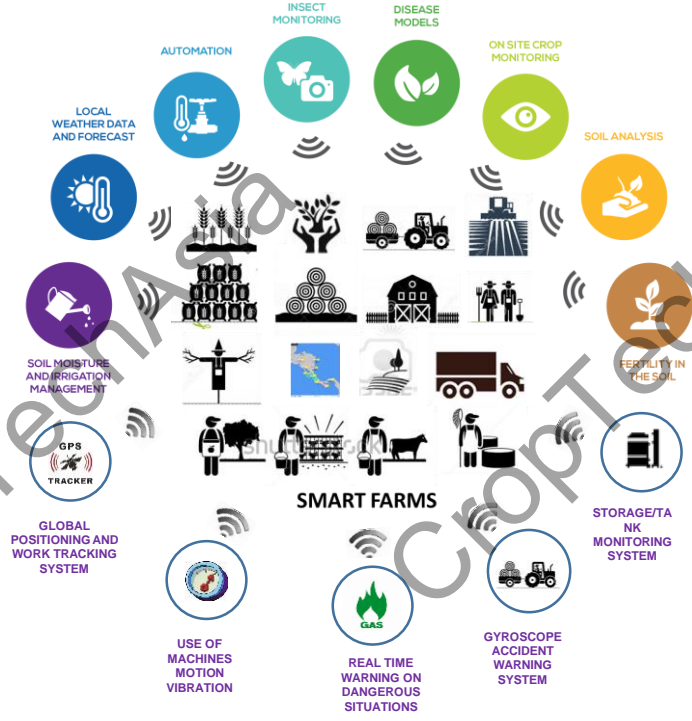
# PI Decision Support Solutions as part of Integrated Farm Eco-System

## Pestl Instruments Decision Support Software Solutions

- In field Monitoring (Weather)
- Weather Forecast Modelling
- Disease Forecast Modelling
- Crop Monitor
- Insect Monitor
- Soil Analyses
- Fertility Monitor
- Storage / Tank Monitoring
- GPS Work Tracking on machines

### Active Alert/Automation

- Accident Warning System
- Real Time Alarm systems
- Automation in Irrigation



## Integrated Farm Software Solutions

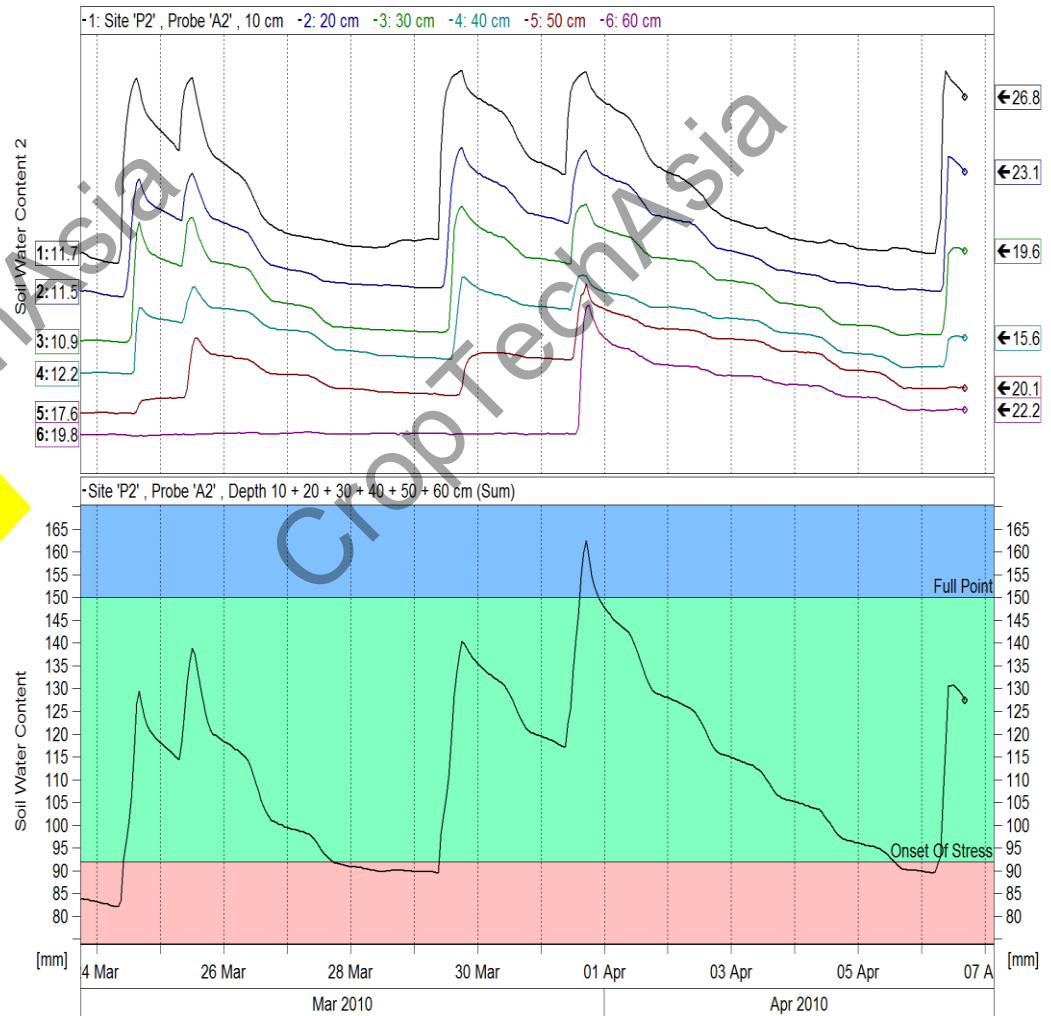


FARM  
AUTOMATION



FARM SMART

# Single profile or 2 D profile of Soil Water, Salinity & Temperature



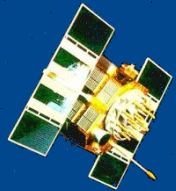
# Water Management Technology

- Water Management can be applied using:

GNSS

or

LASER



# GPS RTK Levelling ปรับพื้นที่ไร่ จ.เพชรบูรณ์



# Laser Levelling พื้นที่นาจ.ปทุมธานี

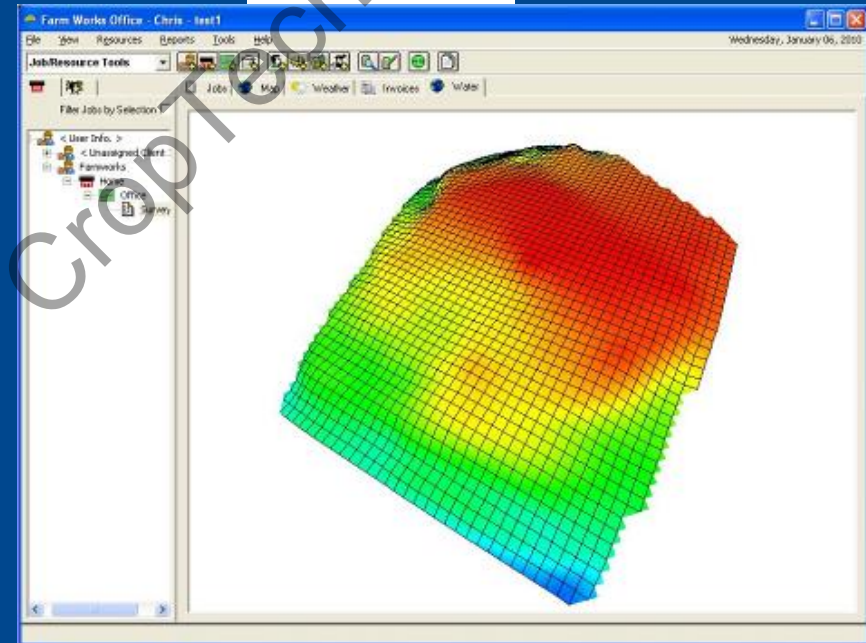
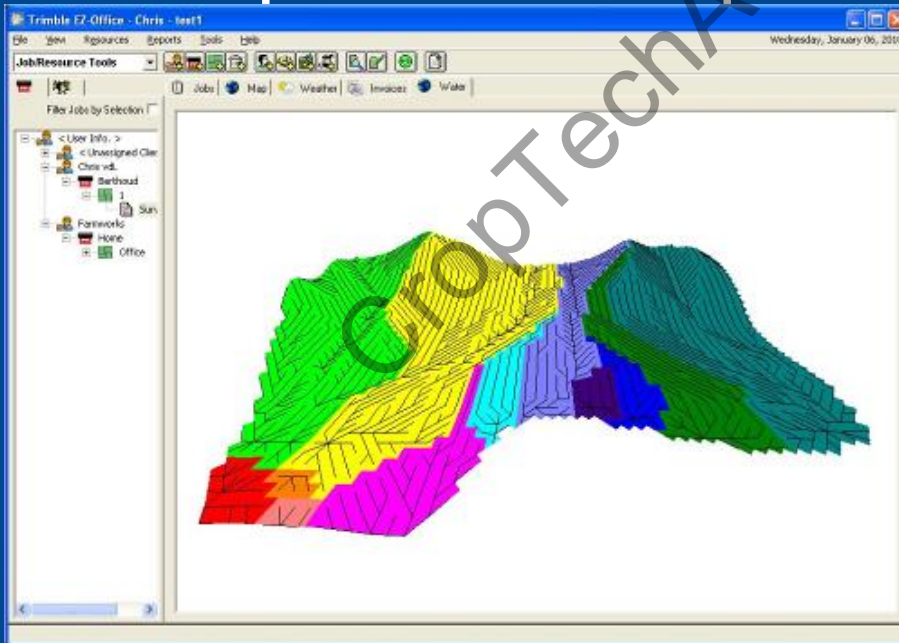


# Laser Levelling ในนาข้าวร้อยเอ็ด



# What else is new for Water Management?

- EZ-Surface Drainage design module for EZ-Office Pro
  - Import FieldLevel II survey data
  - Analyze water runoff and watershed zones in 3D
  - Design surface ditch and tile locations
  - Export to FmX for implementation with AutoSlope

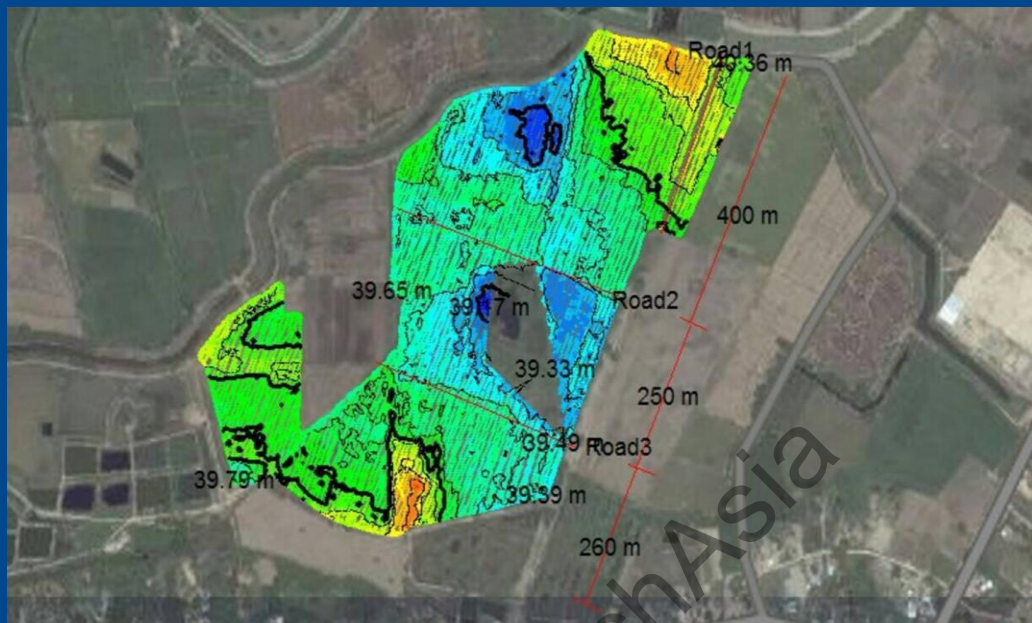


# เปรียบเทียบความแตกต่าง

ไม้ไผ่

ไม้ Z-MAX, MIX





# CTA Precision Farm and Training Center, บ่อทอง พืชณุโลก

WATER MANAGEMENT



# CTA Precision Farm, บ่อทอง พิษณุโลก





Land Preparation



Planting



Nutrient  
Management



Pest  
Management



Harvest



Water  
Management



facebook



CropTechAsia

[www.croptechasia.com](http://www.croptechasia.com)

คำถาม ?    ขอบคุณ