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Infrared hotspot prototype construction, testing and evaluation

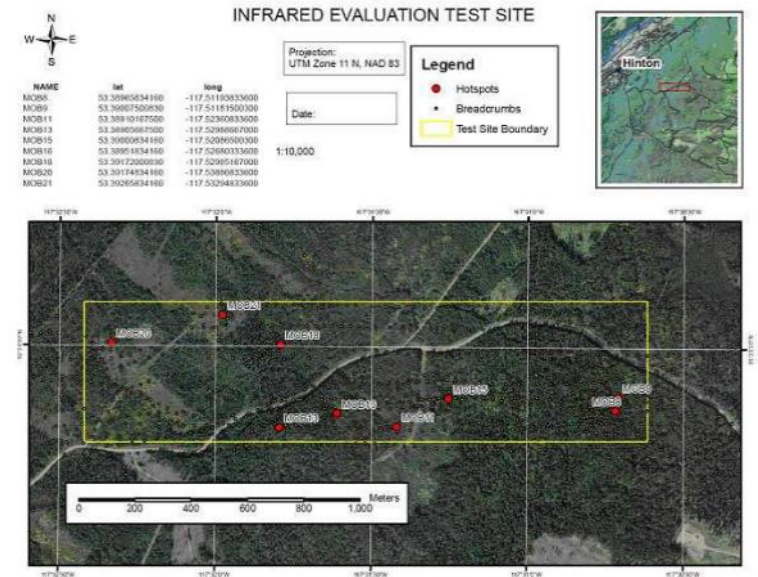
2017 Fall Advisory Meeting

Rex Hsieh

Roy Campbell

Project Background

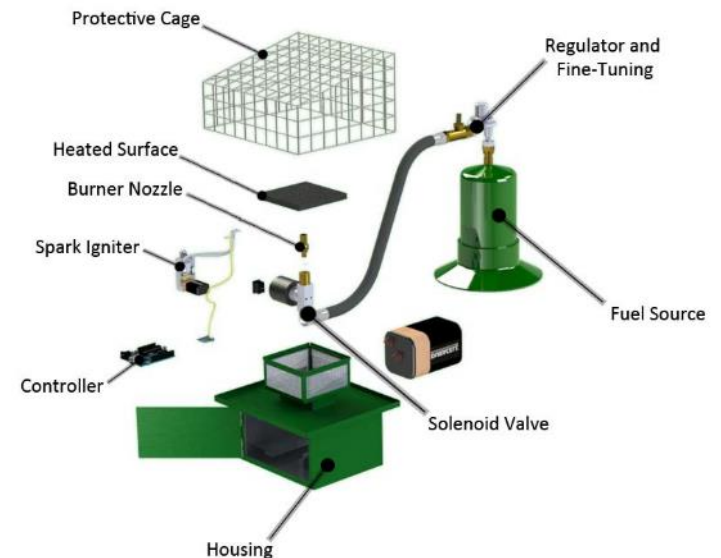
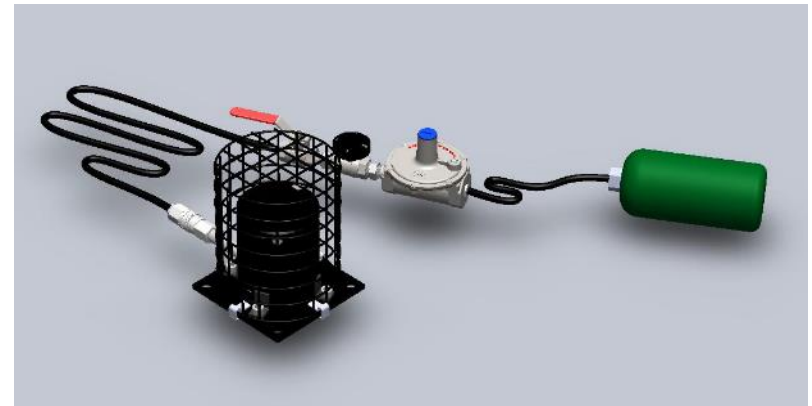
- **Project Sponsor:** AAF
- **Goal:** Develop simulated hotspot target device for Hinton Infrared Scanning Grid
- **Objectives:**
 - Develop project criteria
 - Enlist contractor
 - Build & test prototype
- **Tactics:**
 - FPI, AAF & contractor collaboration to achieve objectives



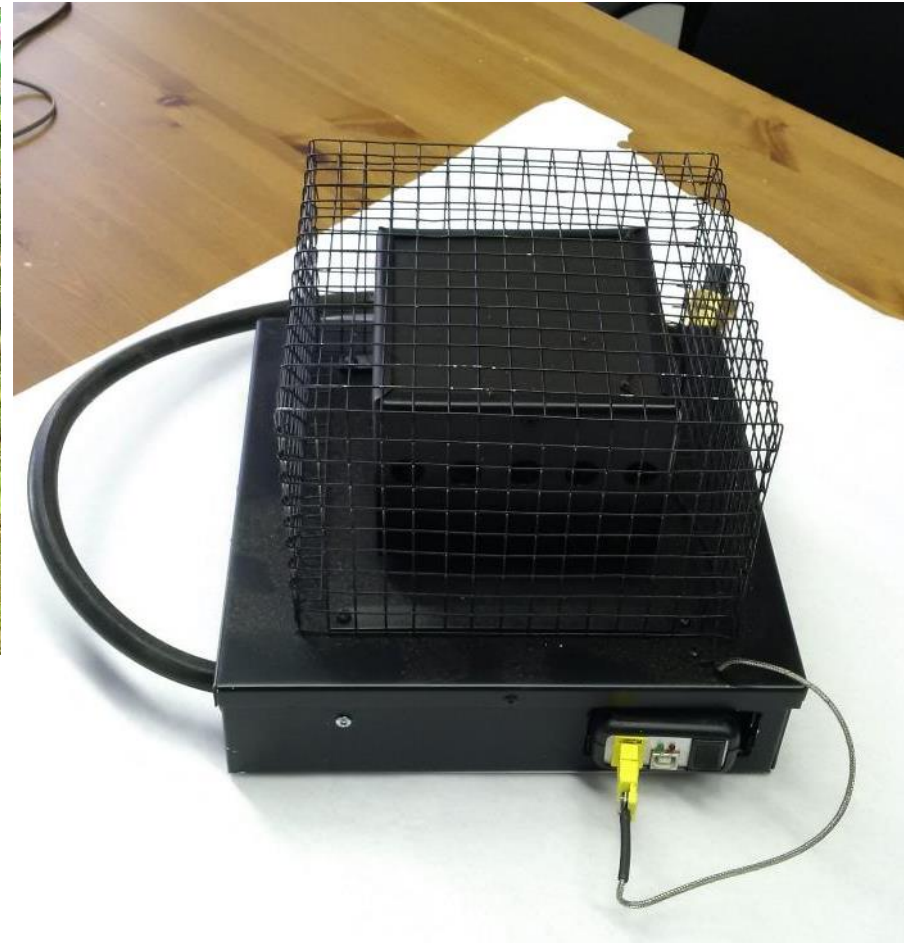
Project Background (cont'd)

■ Questions:

1. Which 2014 U of A Mec E 460 project design?
2. Determine steps that could be taken to construct, test and evaluate a functional hotspot target?
3. Determine prototype suitability for production & estimated cost?

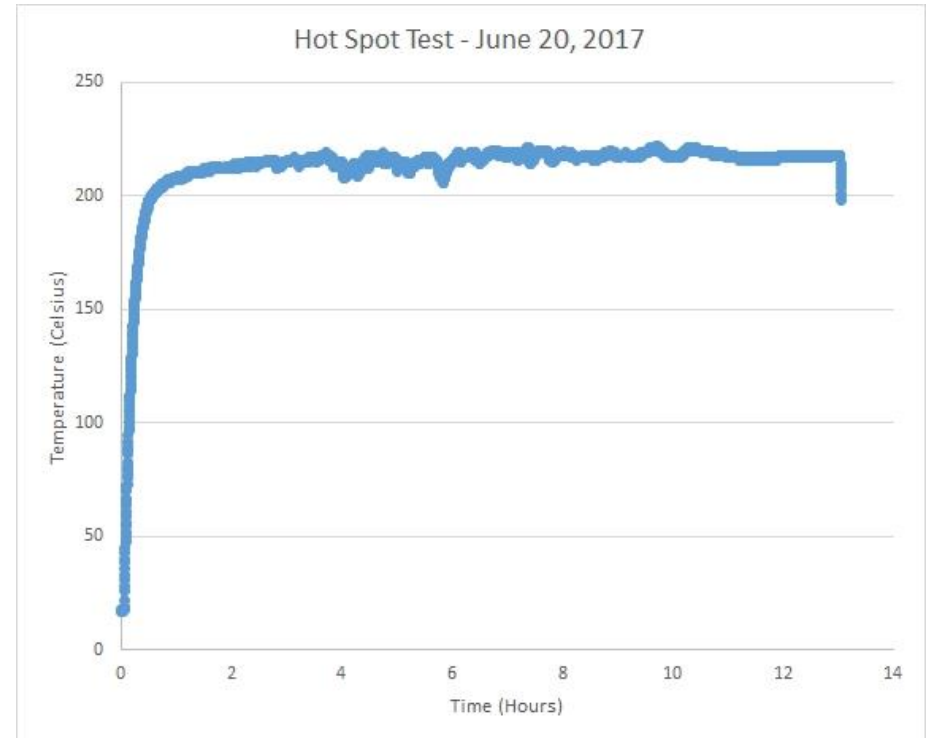


Results: MYAC-Eng. Prototype



Results & Next Steps

- Poses no ignition threat
- Criteria met (+ or - 200 Celsius)
- AAF now in talks with contractor to produce 35 – 40 Units





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Thank you

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