# Terrabotics

## Terrain Intelligence

For more information please contact:
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# Terrabotics' Clients

30+ Clients and growing in Energy, Oil and Gas and increasingly Financial Services (Oil & Metals Trading)…

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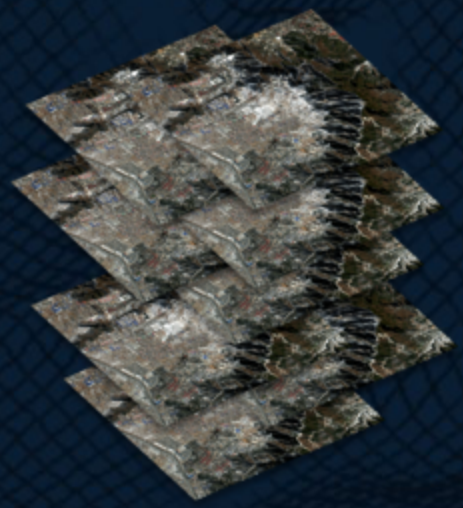
# Technology: Terrabotics' Algorithmic Advantage

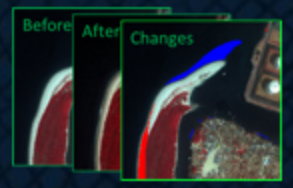


Raw, Low-Cost,
Satellite image Big Data

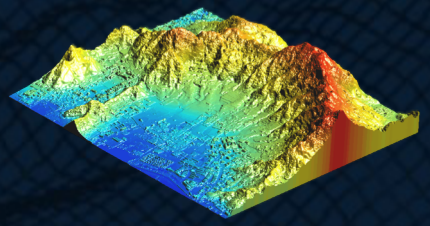
Sub-Pixel Aligned,
Co-Registered &
Atmospherically Corrected

**TBX Core: Sub-Pixel Algorithmic Engine**

Change Detection




3D Terrain



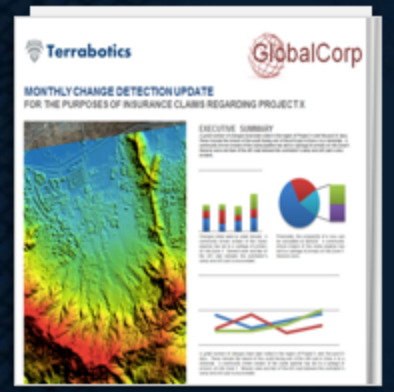
Super Resolution

Sub-Pixel Processed
Value-Add Products

2D/3D Object Detection
& Recognition

Improved Input Data for
Using Artificial Intelligence:
Deep Neural Nets

# No. of Well pads
# No. of completed wells
# Flaring Activity
# Crude Oil Volume Stored




Actionable Intelligence
& Analytics Solutions

## 10 years of R&D

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Terrain Intelligence

2017-1-26

**48** Wells Constructed

**45** Wells Spudded

**27** Wells Completed

Satellite image time series

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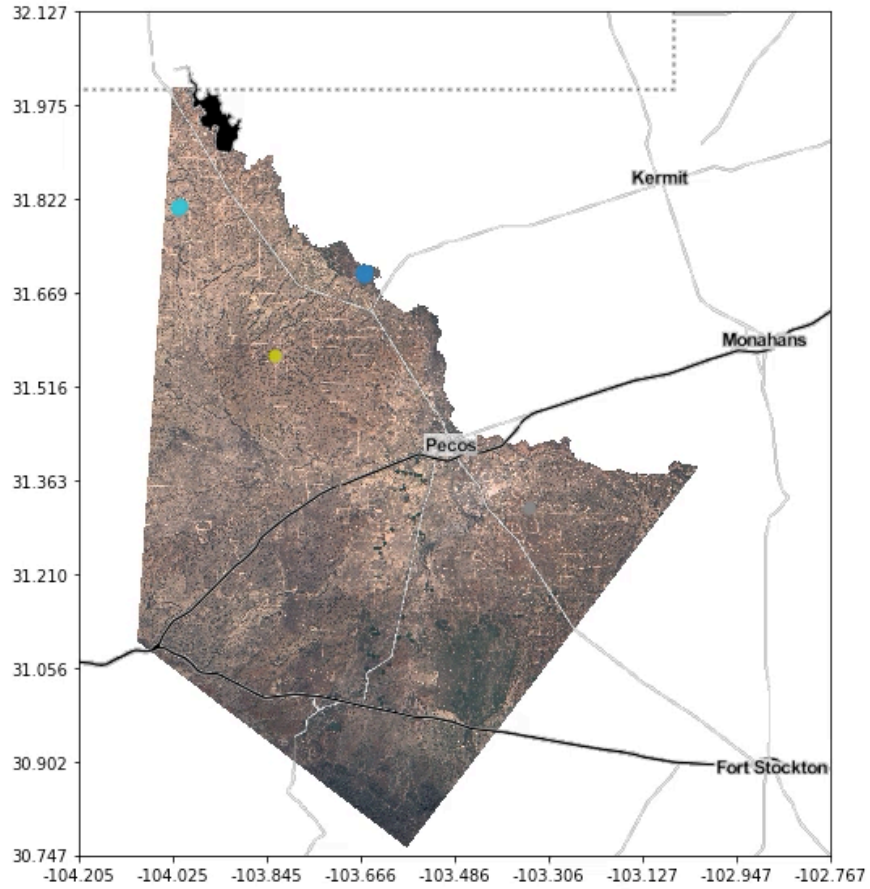
# Satellite-based Flaring Activity Monitoring by Operator & County [BETA]

Reeves County, TX, USA
Delaware Basin, Permian

esa business applications

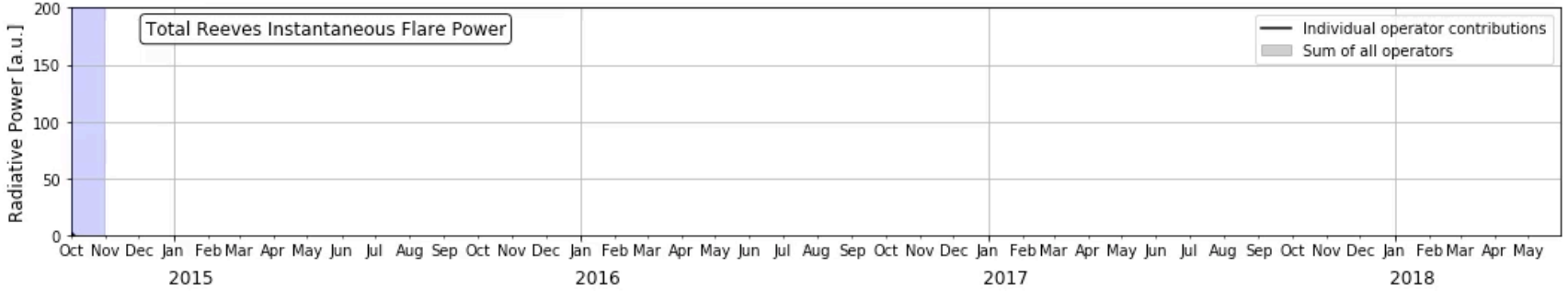
Beta v. B0.4




Flaring energy release, monthly ranking for Oct 2014

| Operator | Energy Index | Event Count |
|---|---|---|
| 1. Apache | 263 | 77 |
| 2. Capitan | 37 | 25 |
| 3. Anadarko | 1 | 1 |
| 4. OXY | 1 | 1 |
| 5. BHP | 1 | 1 |
| 6. Cimarex | 1 | 1 |

Total energy release during Oct 2014 **305 a.u.**




ESA Energy SCOUT: tinyurl.com/y5uvbyxr
www.terrabotics.co.uk

To be part of our beta testing group, please contact us at scout@tbotix.com

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## PHASE 1- COMPLETE

- Backed by Strategic Investors
- Commercially Piloted with Upstream & Downstream Majors

bp

## PHASE 2 – LAUNCHING

- Scaling up to cover all onshore
- European Space Agency committed USD $500K

esa

# Next Steps for Terrabotics

- New Customers to Pilot and Trial our product
- Strategic Partners to take the product to the next level
- Further Investment to join the esa (European Space Agency) in accelerating our product.
- We would love your feedback!

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