The Payne Institute for Public Policy would like to thank you for joining us today for our webinar.

Please feel free to use the chat feature on the Zoom conference call to post questions for Yotam Ariel.

Questions will be answered at the end of the presentation.

Thank you!
Methane emissions and leaks are a risk for the environment, people, assets and reputation

- **Environment**
  25% of global warming is caused by anthropogenic methane emissions (10% from oil & gas)

- **People**
  Methane leaks can cause injuries and fatalities

- **Assets**
  Accumulation and ignition can seriously damage facilities and cause production downtime

- **Reputation**
  Health, safety and environment records plays a critical role in business opportunities realization.
Detecting methane is challenging

- Need for prompt detection and quantification of the emitting source
- The emitting sources can be anywhere in a vast and complex network of operations
- Multiple leaks/emissions can happen at the same time at different geographical areas with limited access
Leaks are missed in 3 out of 4 times!

[based on field interviews]
Bluefield’s tech will enable tracking of every critical emitter on the planet, every day

- Leveraging backpack-size, lower-cost satellites
- Equipped with advanced proprietary optical sensor
- Enhanced data processing using machine vision algorithm and AI
Bluefield’s expertise

- Yotam Ariel – CEO – former naval squad leader specializing in sensor analytics
- Richard L. Lachance – CTO – Ph.D in optics, deployed 6 satellite sensors for clients including NASA
- Giancarlo Cesarello – VP of Strategy – procured data products for thousands of users
- Vincent Delisle – Senior Data Scientist – led AI teams at large tech firms and startups
- Alex Thibeault – Lead System Engineer – engineering at CERN (world’s top particle accelerator)
- Nicole O’Keefe – Marketing – researcher at Stanford and U.S. Geological Survey (USGS)
- Chris Hadfield – Advisor – former astronaut and commander of the International Space Station
- Dr. Bill Heaps – Advisor – NASA-awarded scientist, deployed methane sensors in space

- Received investments from venture firms backed by Bill Gates and Jeff Bezos
- Won tech awards sponsored by MIT, IEEE, Shell
- Featured in Bloomberg, Scientific American, Forbes

- Founded in 2017, with offices in New York City, USA and Quebec City, Canada

Team’s experience includes:
Subscription-based

Emissions data & analytics

Data captured via satellites
Validated our tech through:

- ✔ High-altitude balloon tests (100,000ft)
- ✔ Blind testing by specialized third party
- ✔ Modeled performance by NASA scientists

- 12 NASA missions proved the optical technique works
Creating the “breathing monitor” of our planet