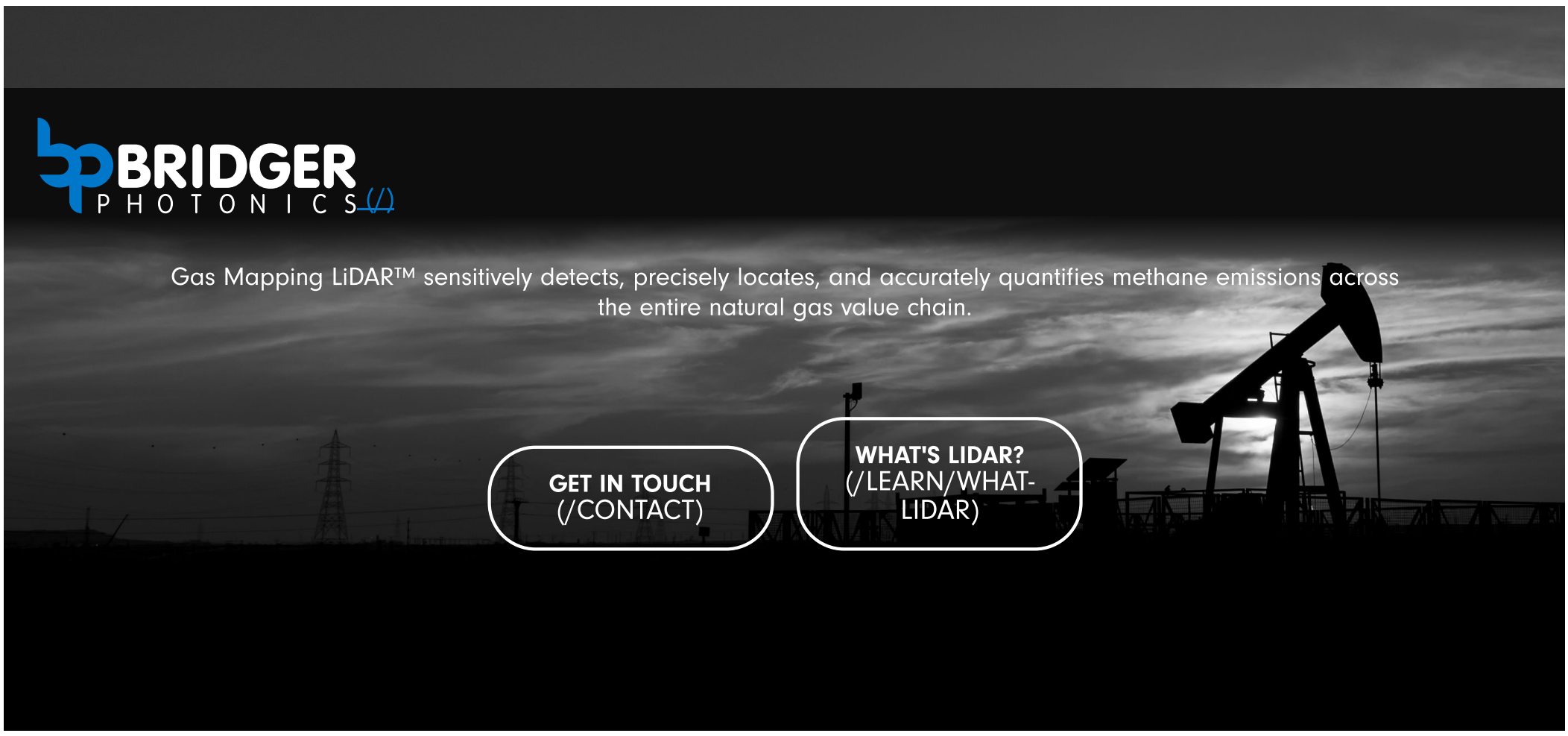
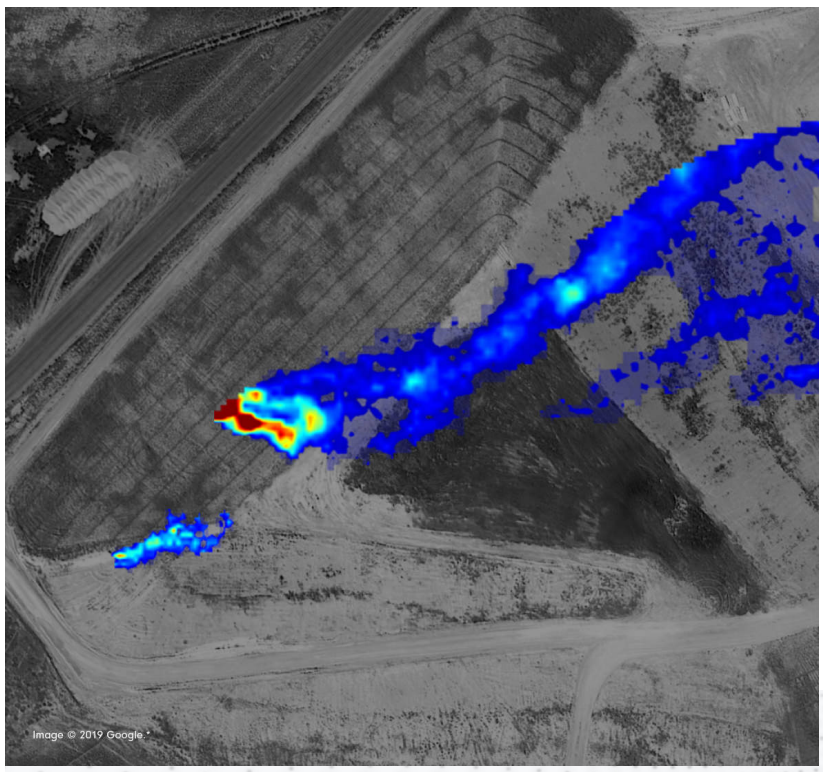


Designed for all sectors of the oil and gas industry.

The oil & gas industry is under tremendous pressure to reduce methane emissions. This pressure has put the industry in an untenable position, as no viable technology has existed to image and quantify this invisible gas in a reliable, sensitive, and cost-effective manner—until now.

Bridger Photonics' Gas Mapping LiDAR™ makes it simple and cost-effective for the oil & gas industry to reduce methane emissions and improve overall safety. Gas Mapping LiDAR™ scans oil & gas infrastructures from the air, pinpoints the leaking equipment, and quantifies the emission rate. This process creates a map that images each plume, eliminating the need to visit each site, so operators only need to deploy field crews when a leak is detected.



PRODUCTION

TRANSMISSION

DISTRIBUTION

BIOGENIC

WHAT YOU GET

Our ANSWERKEY™ data products

1. IMMEDIATE ALERTS

- For safety hazards and urgent concerns above a predetermined concentration threshold

path-integrated gas concentration overlays

urce coordinates, emitter heights, and emission rates
vath for auditing purposes

e for
on
project

Sit back.
Once your project is approved and scheduled, we handle all aspects of the data acquisition.

Receive the data.
Get alerts within 24 hours of data acquisition and fully processed final reports within 5-10 business days.

Debrief.
We'll walk you through the data products and ensure you get exactly what you need.

GAS MAPPING LiDAR™

Technology advantages

- **Patented laser** absorption spectroscopy hardware and methods for industry-transforming sensitivity
- **Patented scanner** for large area coverage
- **Patented analytics** for gas plume image generation, false positive and negative rejection, accurate emission rate determination, leak source localization (including emitter height), immunity from neighboring interference emissions, audited swath coverage, and more

AWARDS

We're transforming industries with our disruptive technology

- 2019 R&D 100 Winner
- 2020 Advanced Research Program Agency-Energy (ARPA-E) contract awardee
- 2019 Alberta Methane Field Challenge (AMFC) participant
- 2018 Alberta Upstream Petroleum Research Fund (AUPRF) Awardee
- 2018 Environmental Research & Education Foundation (EREF) Awardee

2019 R&D 100 WINNER

arpa·e CHANGING WHAT'S POSSIBLE

EMISSIONS REDUCTION ALBERTA

Alberta Upstream Petroleum Research

PTAC PETROLEUM TECHNOLOGY ALLIANCE CANADA

Want to see our solutions in action?

Sign up today and learn how Bridger Photonics can transform your operations.

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