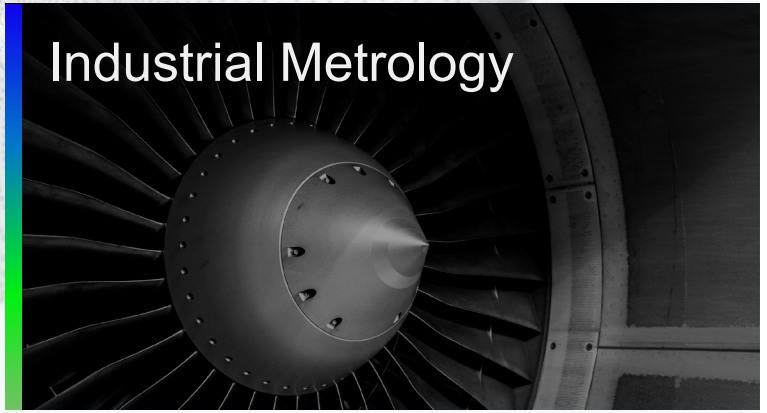
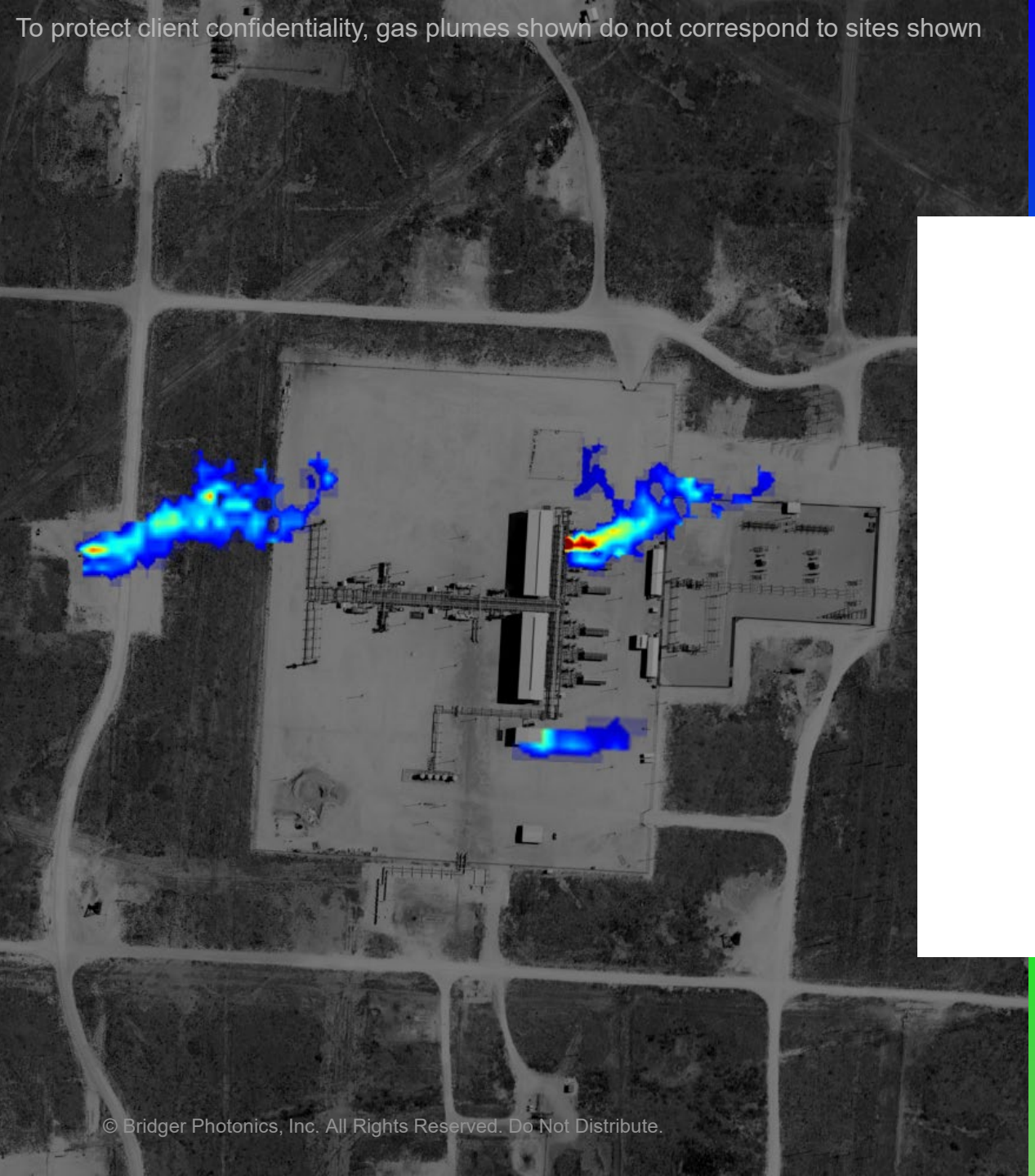
Bridger Photonics

Disruptive LiDAR Solutions



To protect client confidentiality, gas plumes shown do not correspond to sites shown



BRIDGER PHOTONICS

GAS MAPPING LiDAR™

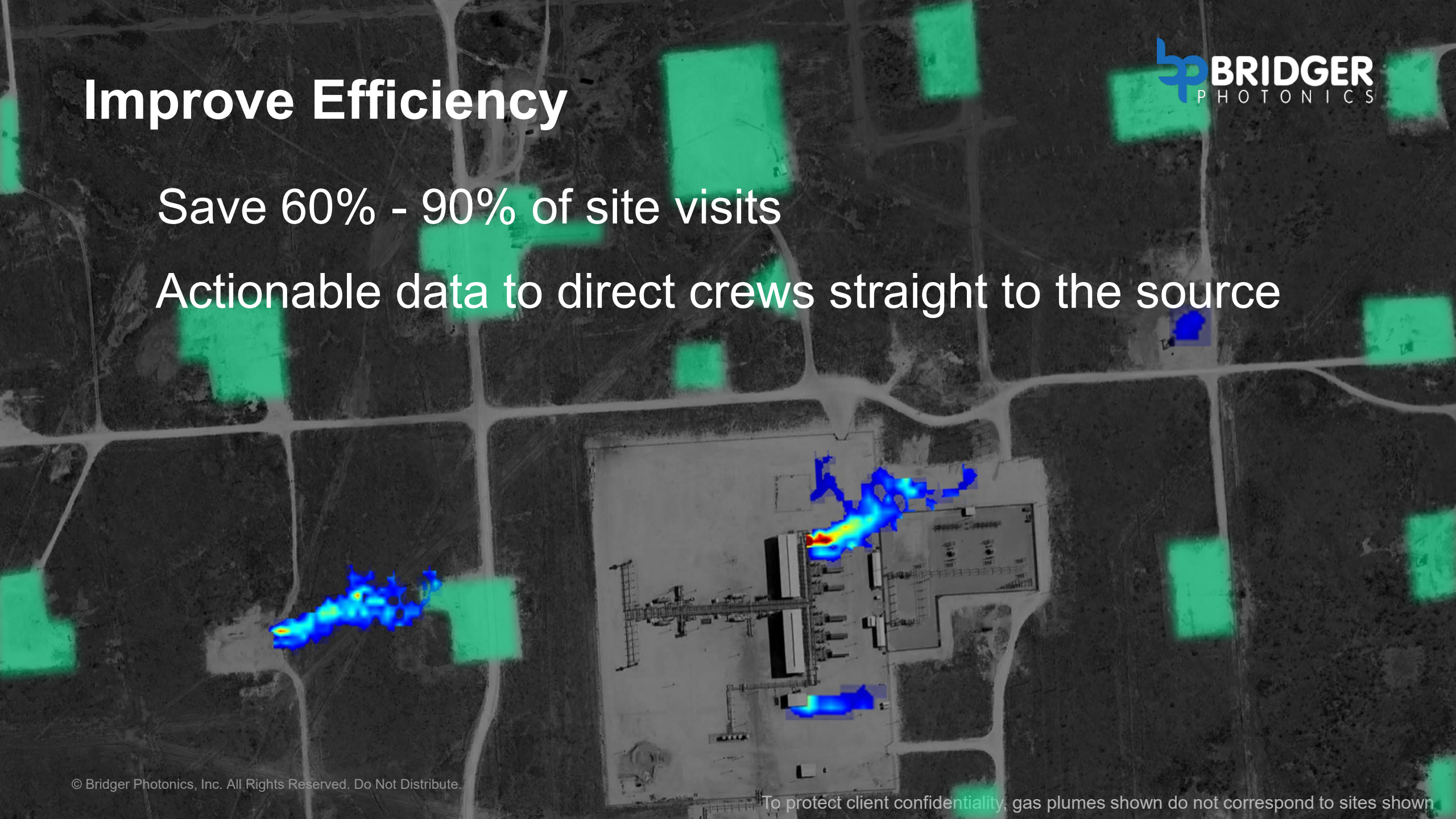
Emissions Reduction Made Simple.

Gas Mapping LiDAR™ sensitively images, pinpoints, and quantifies your methane emissions from the air.

Improve Efficiency

Save 60% - 90% of site visits

Actionable data to direct crews straight to the source



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Reduce Emissions

We have the sensitivity
to detect

>90%

of emissions
in typical production basins

To-be-published third-party
research shows we detect

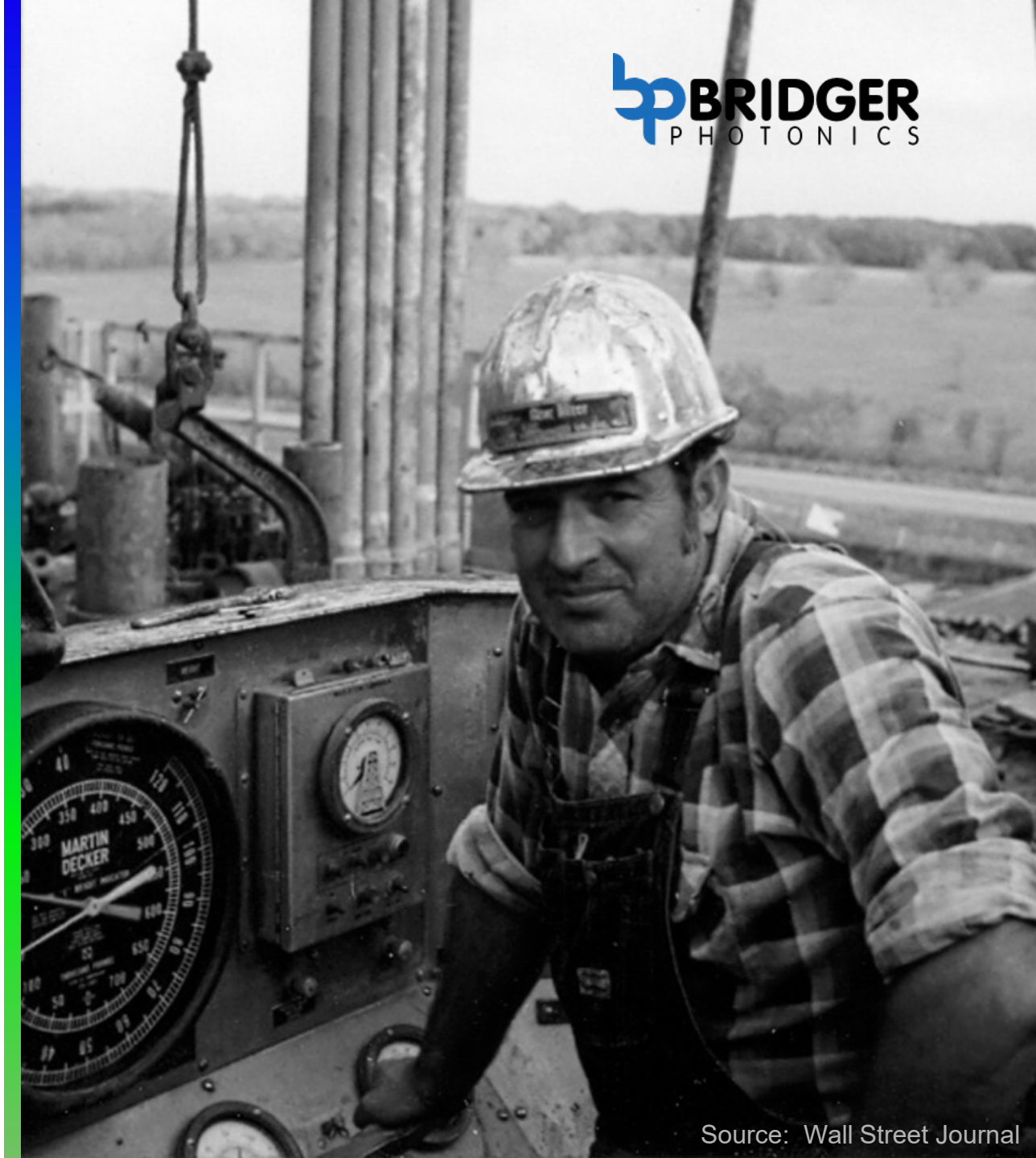
More

emissions than ground patrols
with OGI cameras

Increase Safety

Prevent Accidents

- Find the leaks
- Reduce field crew exposure to on-site hazards
- Reduce “windshield time”
- Provide advance awareness for you and your crews



Source: Wall Street Journal

Simplify Compliance

BRIDGER PHOTONICS

US

EPA

First-ever submission of OOOOa AMEL

PHMSA

Compliant for transmission sector

Canada

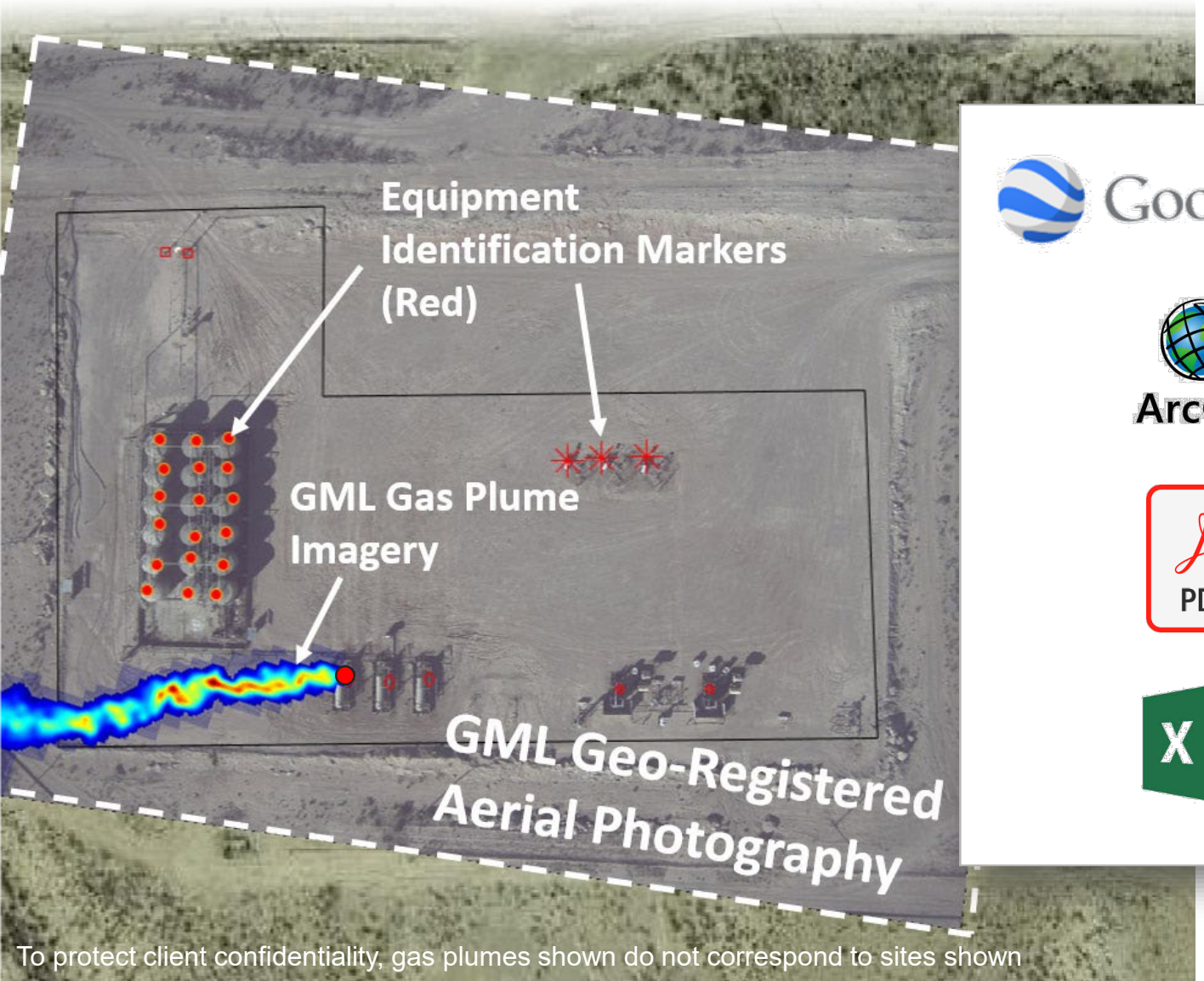
Alberta Energy Regulator

First-ever submissions of Directive 060 Alt-FEMPs

CANADIAN STANDARDS ASSOCIATION

Compliant for transmission sector

Example Data Products



Google Earth

ArcGIS

PDF

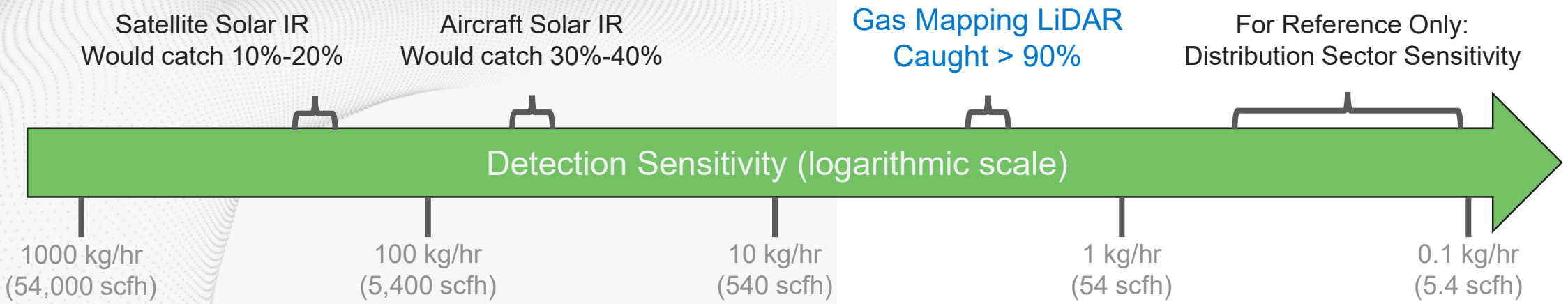
X

Work Order

To protect client confidentiality, gas plumes shown do not correspond to sites shown

Technology Landscape

Permian Basin 2000-Site Emissions Distribution



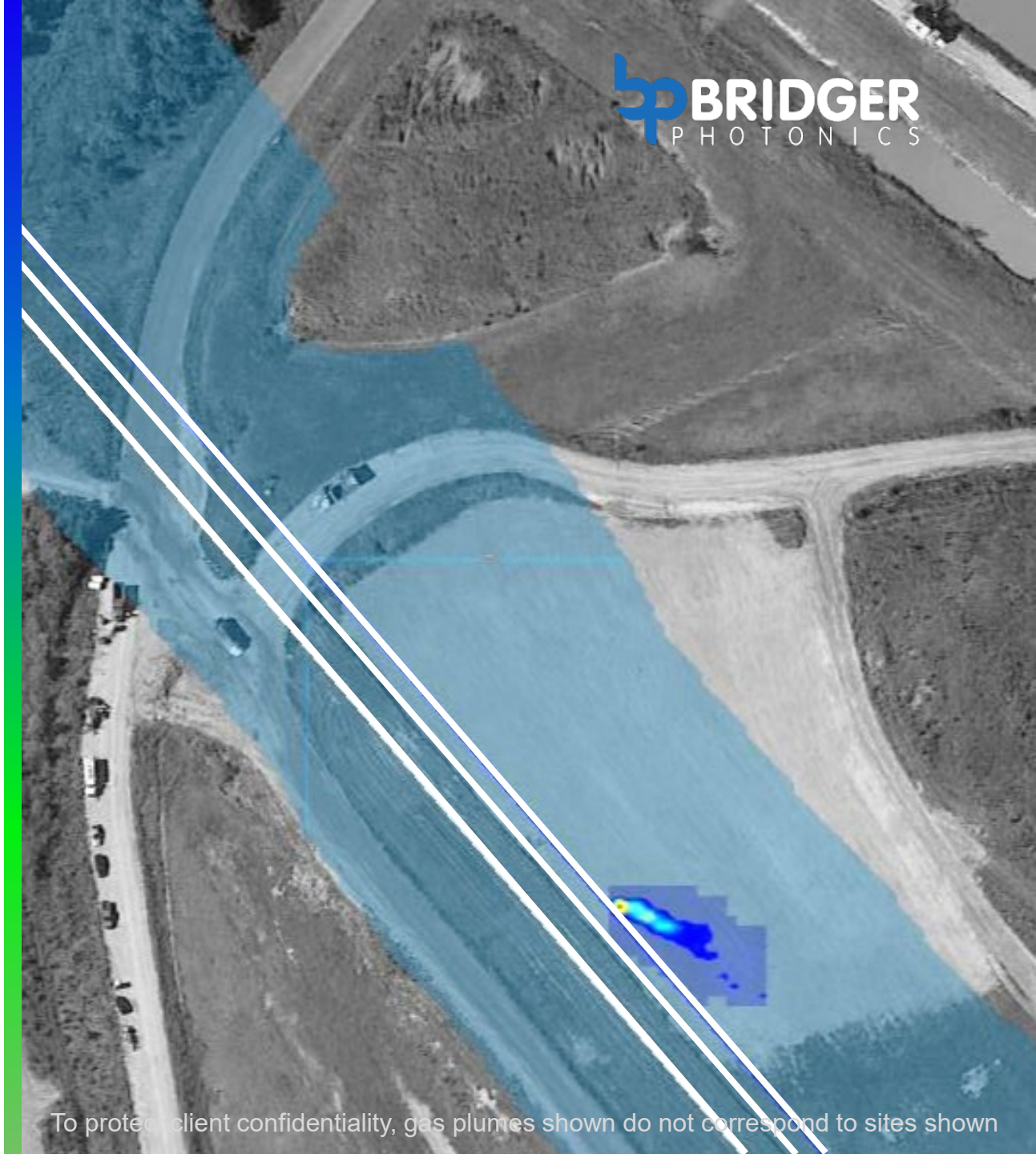
- Contact Bridger to See the **Measured** Permian Emissions Distribution
- Assumptions:
  - 9 mph wind speed
    (avg wind speed in Midland, TX is 11 mph) ****
  - 95% probability of detection

* *https://directory.eoportal.org/web/eoportal/satellite-missions/g/ghgsat-c1-c2*
** *Third-party: Sherwin, et al. Elementa **9**, 00063 (2021)*
*** *Third-party: Johnson, et al. Remote Sensing of Environment **259**, 112418 (2021)*
**** *https://weatherspark.com/y/4333/Average-Weather-in-Midland-Texas-United-States-Year-Round#:~:text=The%20average%20hourly%20wind%20speed,than%2011.0%20miles%20per%20hour.*

Transmission Sector

Covering Right-Of-Ways

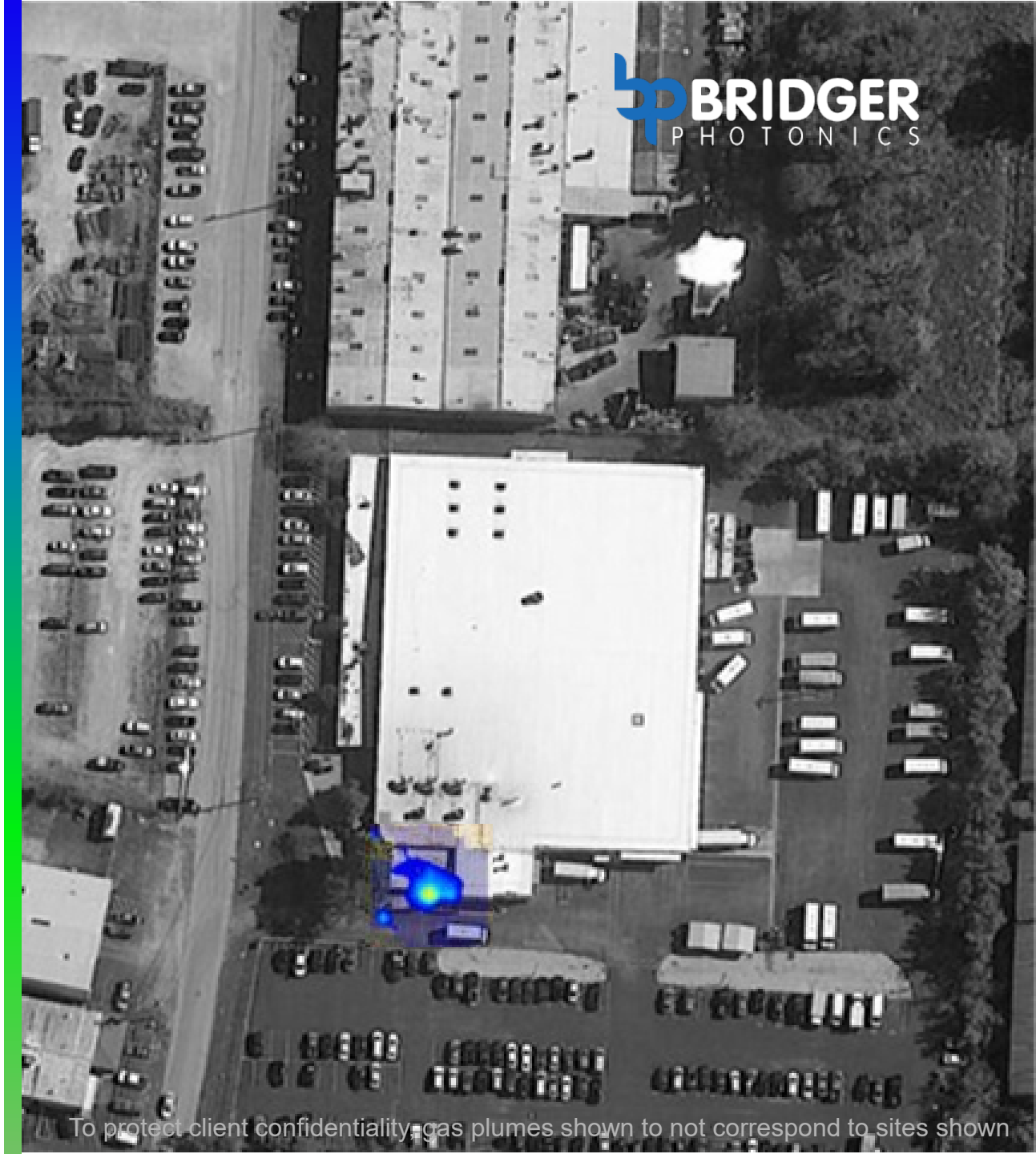
- Know what you cover
- Direct crews straight to the source
- Reduce emissions
- Cover subsurface and surface assets



Distribution Sector

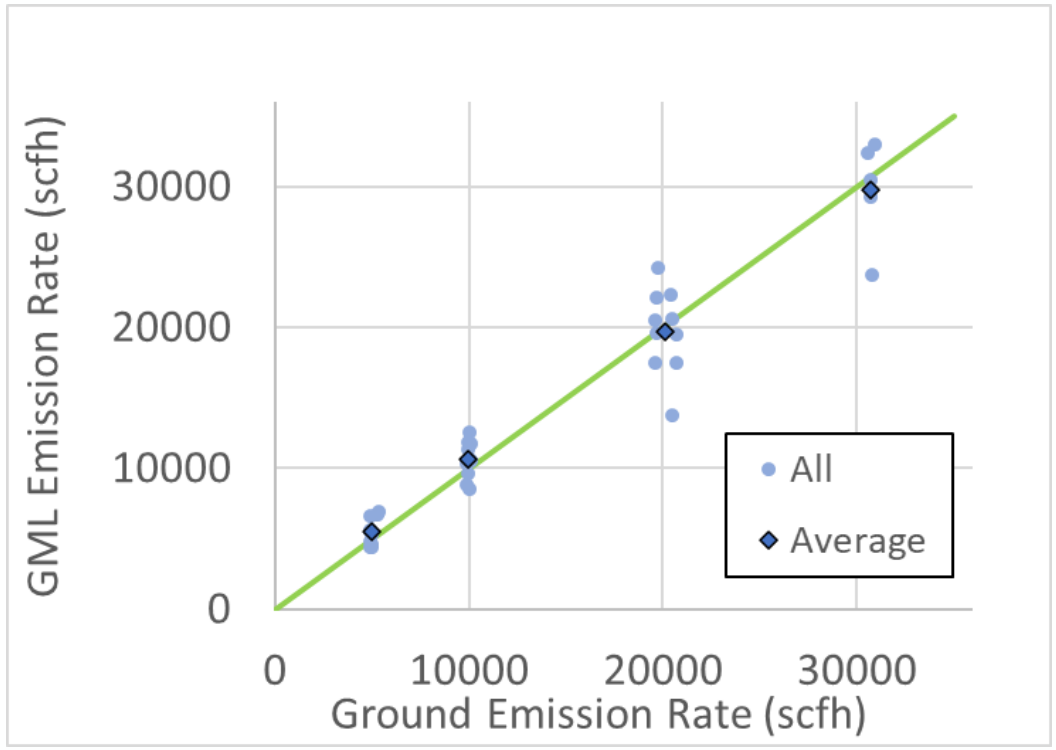
Scanning Entire Distribution Areas

- Increase safety of distribution area
- Reduce emissions
- Filter out false alarms
- Direct crews straight to the source



Quantification (Ideal Conditions)

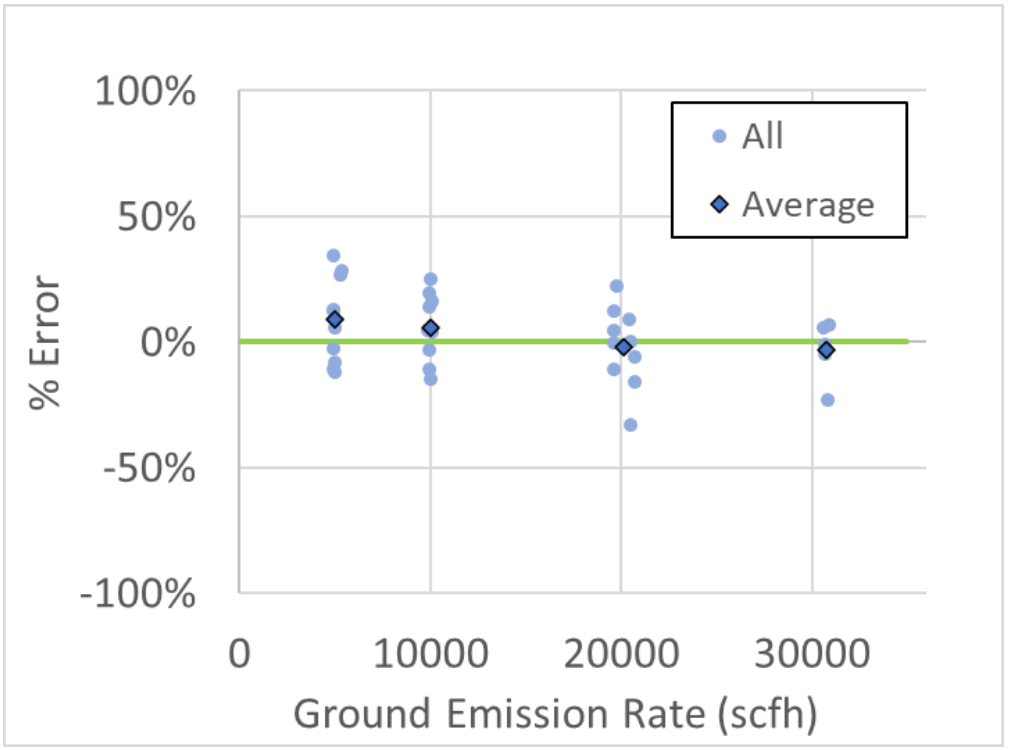
Correlation: r = 0.97



Bias = +3%

Single-Measurement

Uncertainty (1σ) = ±15%



Thank you!

For any questions or feedback,
please contact:

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