



Ajax Analytics

CONTINUOUS AIR MONITORING | REAL-WORLD DATA | MODERN SOFTWARE

LESS RHETORIC | MORE KNOWLEDGE | INTELLIGENT ACTION

OUR BUSINESS

DELIVER REAL-WORLD ENVIRONMENTAL DATA TO EMPOWER POSITIVE CHANGE.

- COLLECT

We deploy real-time air monitoring networks
- ANALYZE

Modern data analytics generates useful information
- INFORM

Accessible and factual knowledge empowers action



OUR COMPANY

WHO WE ARE

Ajax Analytics is a Fort Collins, Colorado-based team of independent data and environmental experts developing unbiased, scientific, and actionable environmental information to drive conversations, interactions, and data-based decisions in an increasingly complex social-environmental landscape.

We believe that unbiased, authentic, and impactful environmental information will facilitate actionable measures that will improve business operations and stakeholder relationships.

OUR VALUES

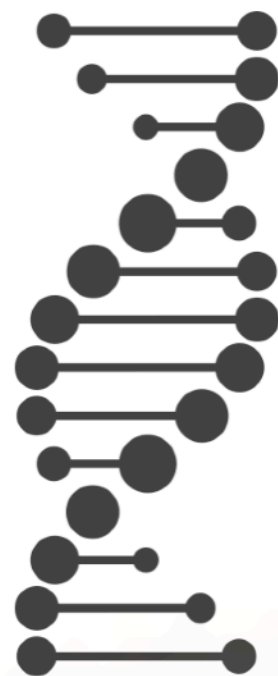
OUR CORE PHILOSOPHY

- Collect and analyze impactful environmental information with scientific integrity and without bias.
- Adapt and innovate by being forward-thinking in all aspects of our work.
- Push the limits of scientific understanding by advancing high-resolution environmental measurement and analysis.
- Earn trust by executing with respect, discipline, and credibility.

OUR TEAM

DRIVING OUR PURPOSE

- We hire, contract, and develop top-tier talent.
- We prioritize long-term value creation over short-term objectives.
- We respect each other and foster an environment where we are safe to challenge the status quo and push ourselves and our teammates toward excellence.



Biden Announces \$2 Trillion Climate Plan

Joe Biden's plan connects tackling climate change with the economic recovery from the coronavirus crisis, while also addressing racism. The proposal drew praise from his onetime critics.

New York Times - Feb. 1, 2021

Time to clean up climate reporting standards

Companies should back up their rhetoric with accounts that reflect the true risks

Financial Times - Dec. 16, 2020

\$7 trillion asset manager BlackRock makes climate change central to its investment strategy for 2021

CNBC - Dec. 16, 2020

ROOT CAUSE: THE UNDERLYING PREMISE

Limited Data | Lack of Context



ROOT CAUSE: THE UNDERLYING PREMISE

Limited Data | Lack of Context



GOAL

measure the air

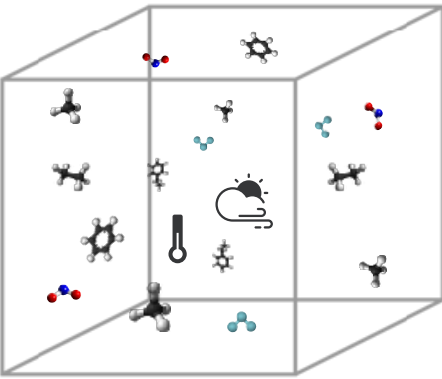
minimize assumptions

no knowledge

perfect knowledge

every: compound, m³, second

No knowledge



0 metrics

53,579,664,000,000,000,000 metrics per year (53 quintillion)
Assuming 100 metrics and 100m high boundary

Factors

- spatial coverage
- time coverage
- measurement accuracy
- pollutants measured
- pollutant proxies
- source tracers
- daily cycles
- seasonal cycles

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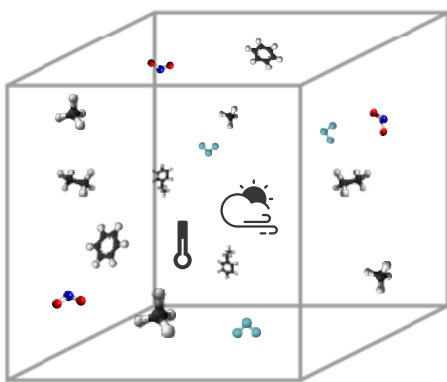
perfect knowledge

every: compound, m³, second

measurement

modeling

assumption, limited uncertainty



0 metrics

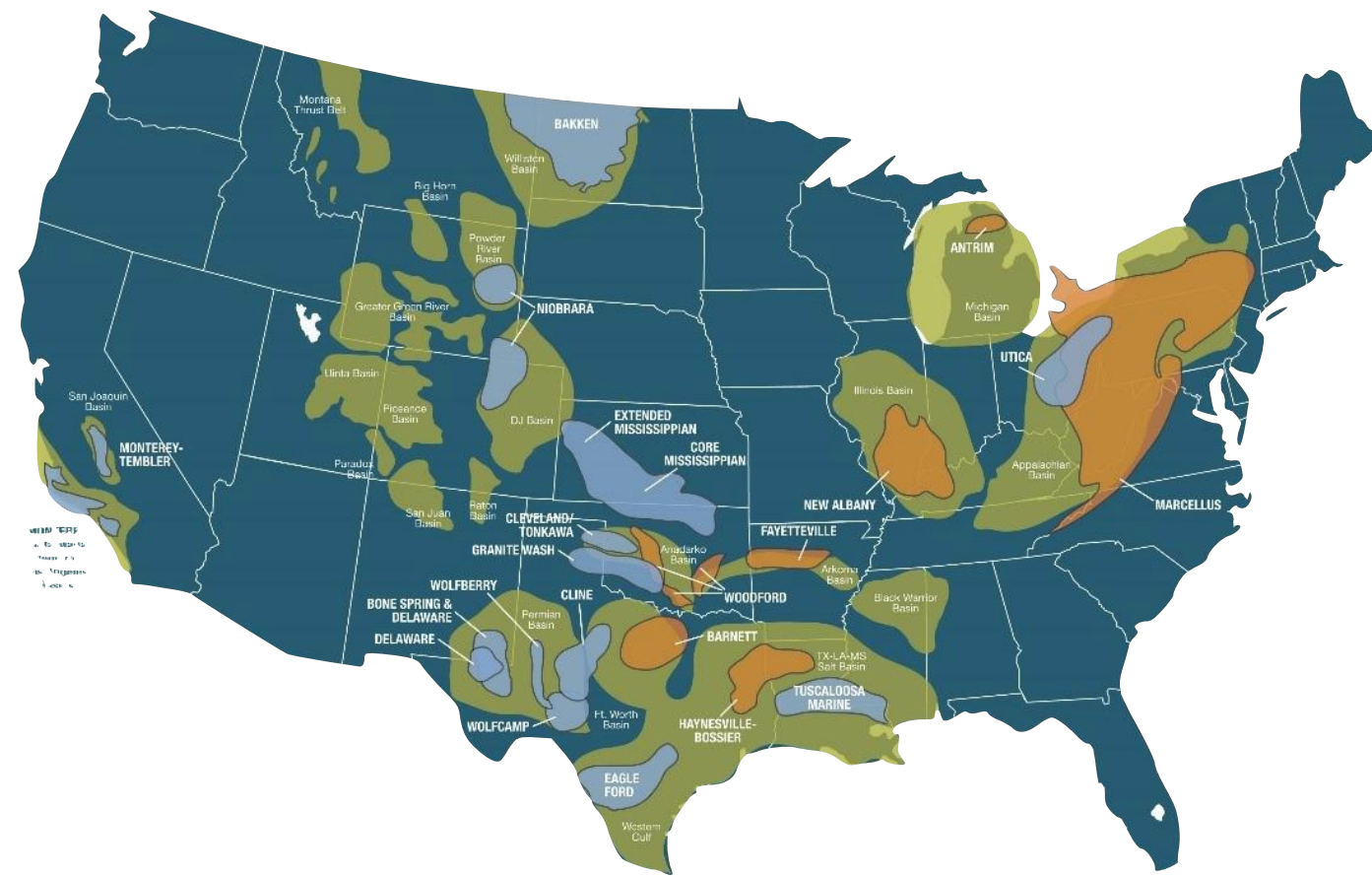
53,579,664,000,000,000,000 metrics per year (53 quintillion)

Globally, assuming 100 metrics and 100m high boundary

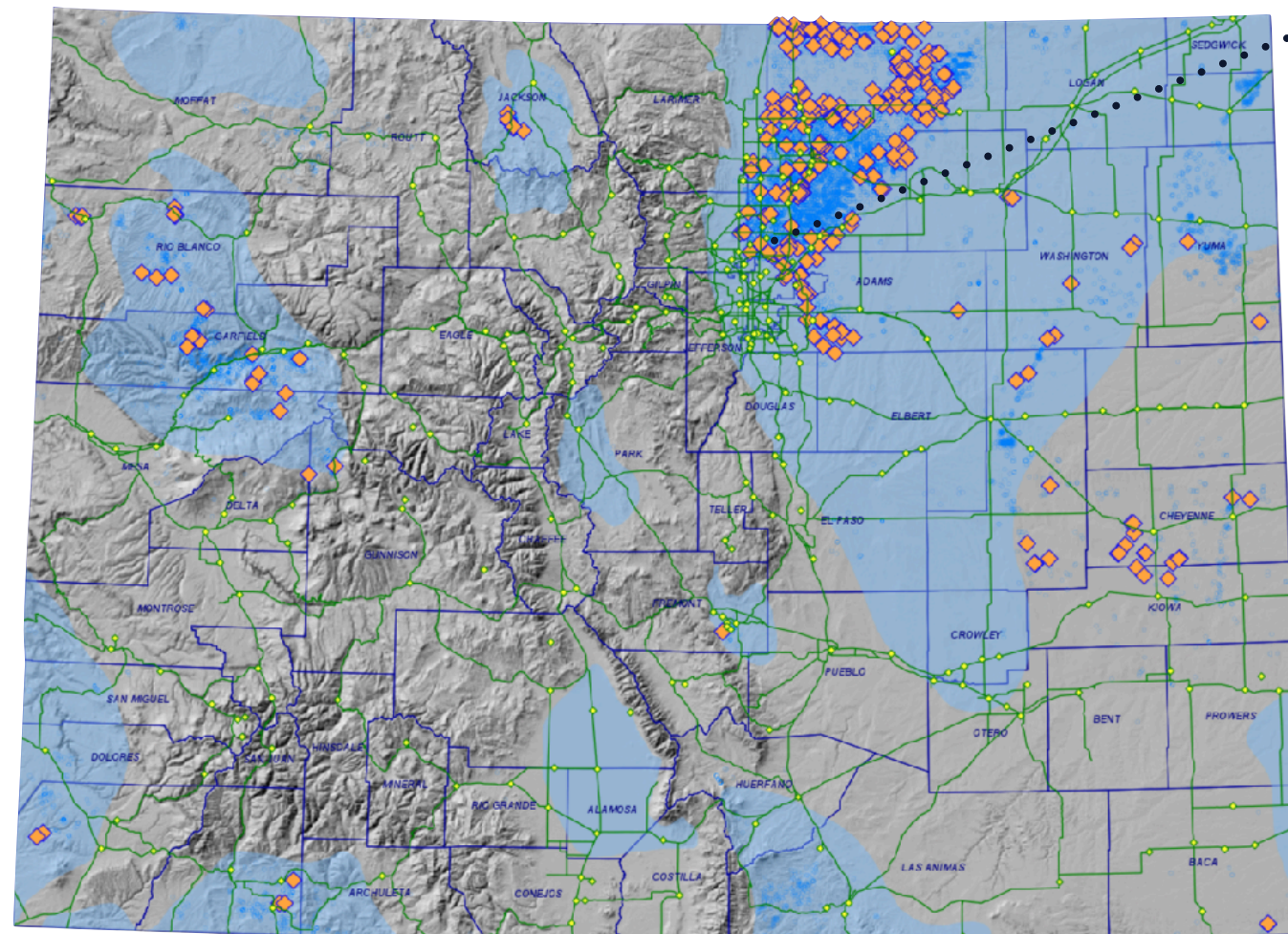
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TARGET MARKET



US Oil & Gas Basins

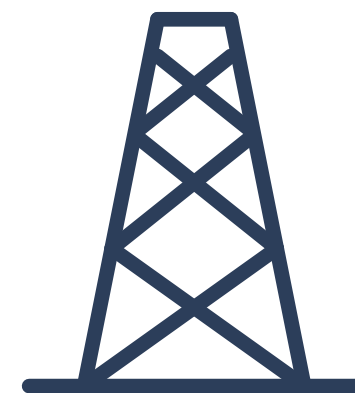


Permitted Colorado well pads

as of Feb. 2, 2021



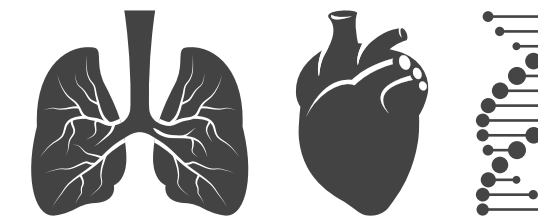
Gov't Agencies



Oil & Gas E&P
and midstream



manage stakeholders



address citizen concern



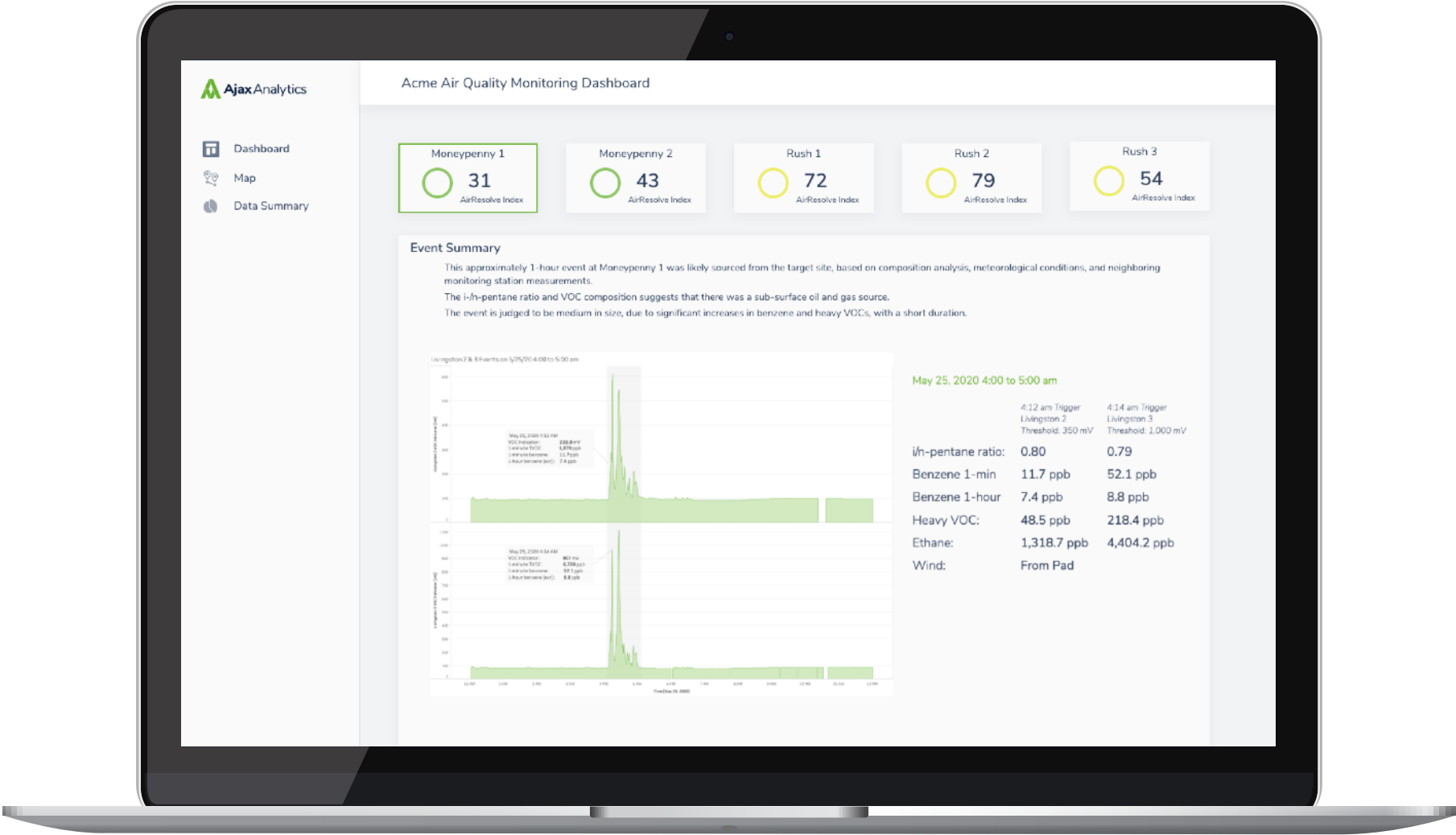
regulatory compliance



self-discovery

Full-service, subscription-based continuous monitoring

Define the target, subscribe for the duration, Ajax does the rest.

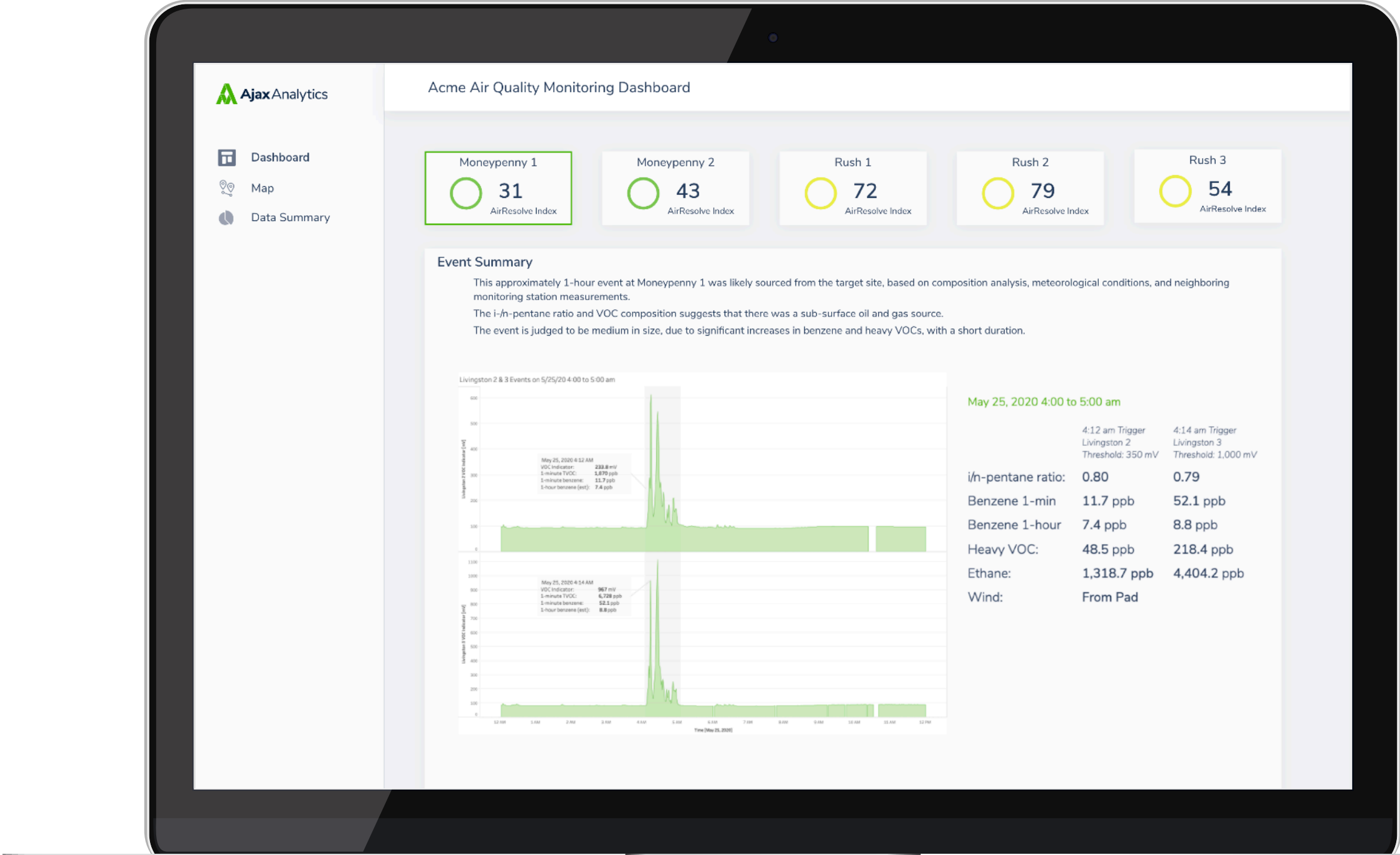
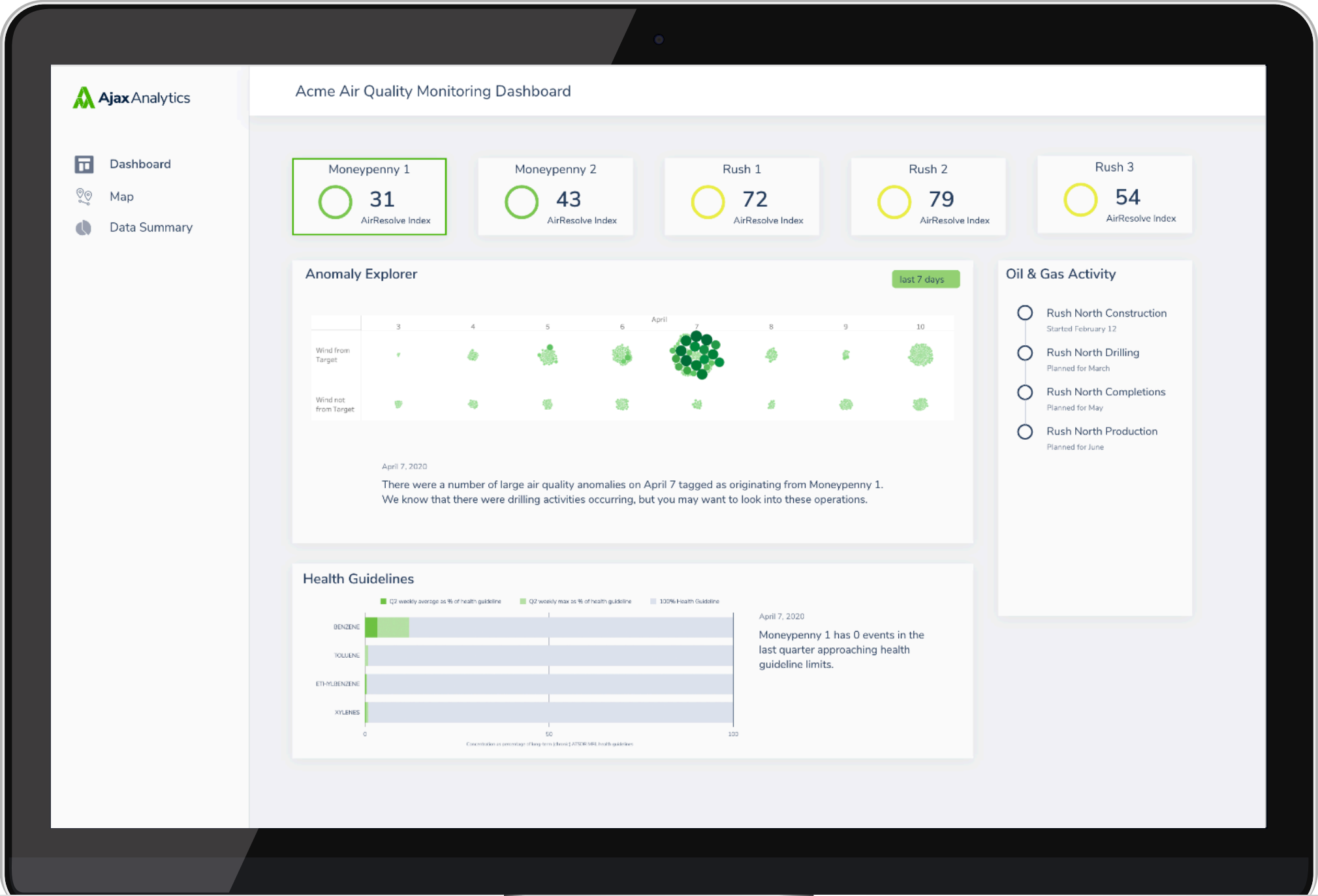


USEFUL ANALYSIS

Over 50% of air quality events at Site A occur on Tuesdays at 9:00 am.



Potential leak at Site A



FLEXIBLE AND PREDICTABLE SUBSCRIPTION SERVICE

		Monthly Subscription	Annual Subscription	Per-Unit Fees
# system subscriptions	.....	Full-Service Air Quality Monitoring		
		Connected Sensor Station TVOC_PID10.6, HC_MEMS, NO, NO2, NOx, PM2.5, PM10, Met, Whole-air canister sample trigger system	\$2,449	\$26,449
# lab samples	.....	Whole Air Canister Sampling		
		Canister Sample with summary characterization report		\$600
		Expedited Canister Analysis		\$200
service level	.....	Service Level Availability		
		Basic SLA (per unit) 80%/year sensor uptime, 80%/month trigger canister readiness, 90% valid lab sample commitment, weekly reviews, quarterly review, 2- day query response, 95% software uptime	included	included
software options	.....	Software Subscription		
		Staff portal per user subscription		\$4,750
		Public portal subscription		\$13,390
custom reporting options	.....	Customer API subscription		\$13,390
		Custom Data Analysis and Reporting Services		
		Custom Reporting and Analysis Services		Priced per-request

TURN-KEY DELIVERY

focus on your goals

FLEXIBLE OPTIONS

pay for what’s needed, even when plans change

PREDICTABLE COSTS

one stable expense

INDEPENDENT DATA IN CONTEXT

consistent, validated methodology & science

WEB APP AND API ACCESS

modern, scalable, secure software platform















REGULATORY REPORTING

plans and data packaged for regulators

Monitoring Sensors & Systems

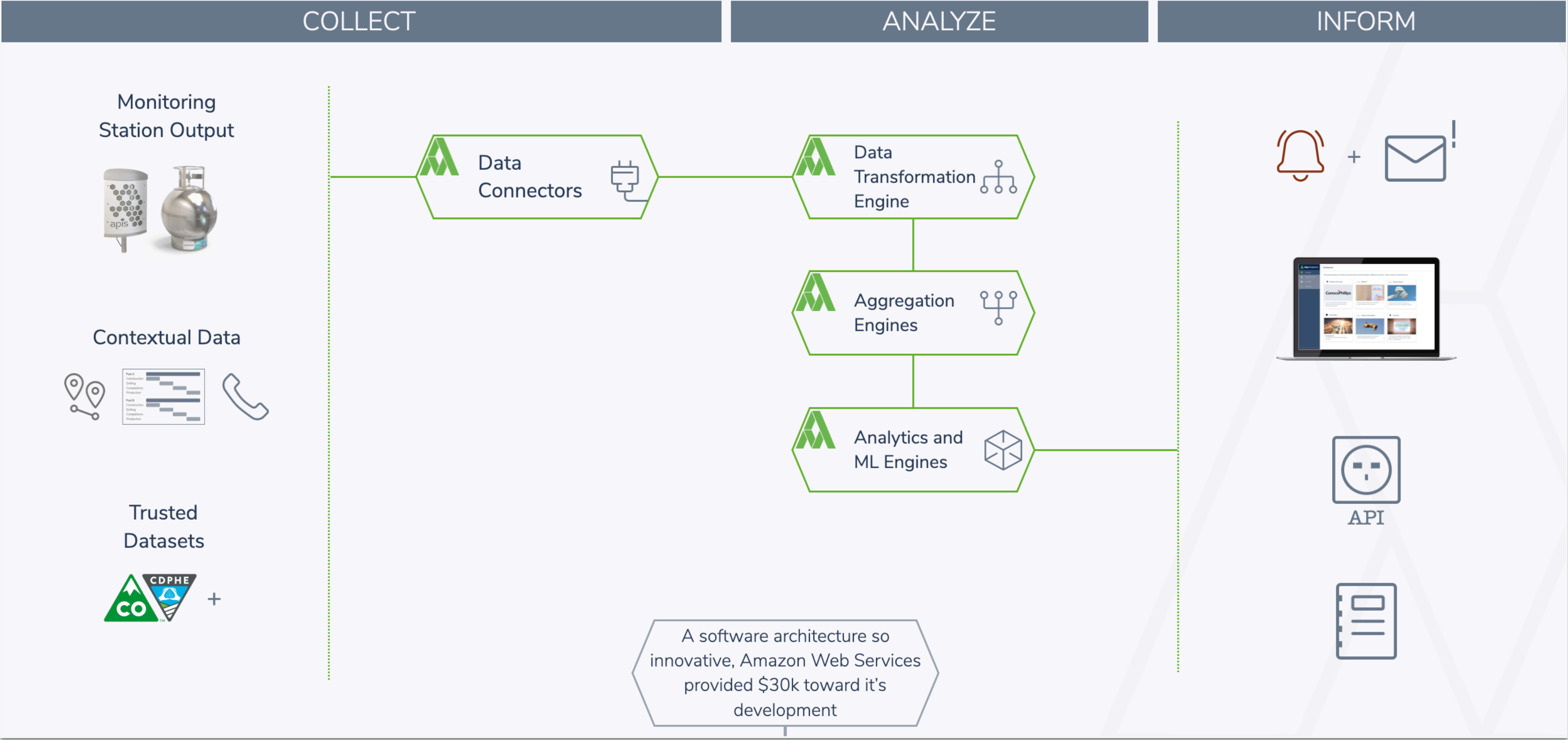
Hardware and simple data feed



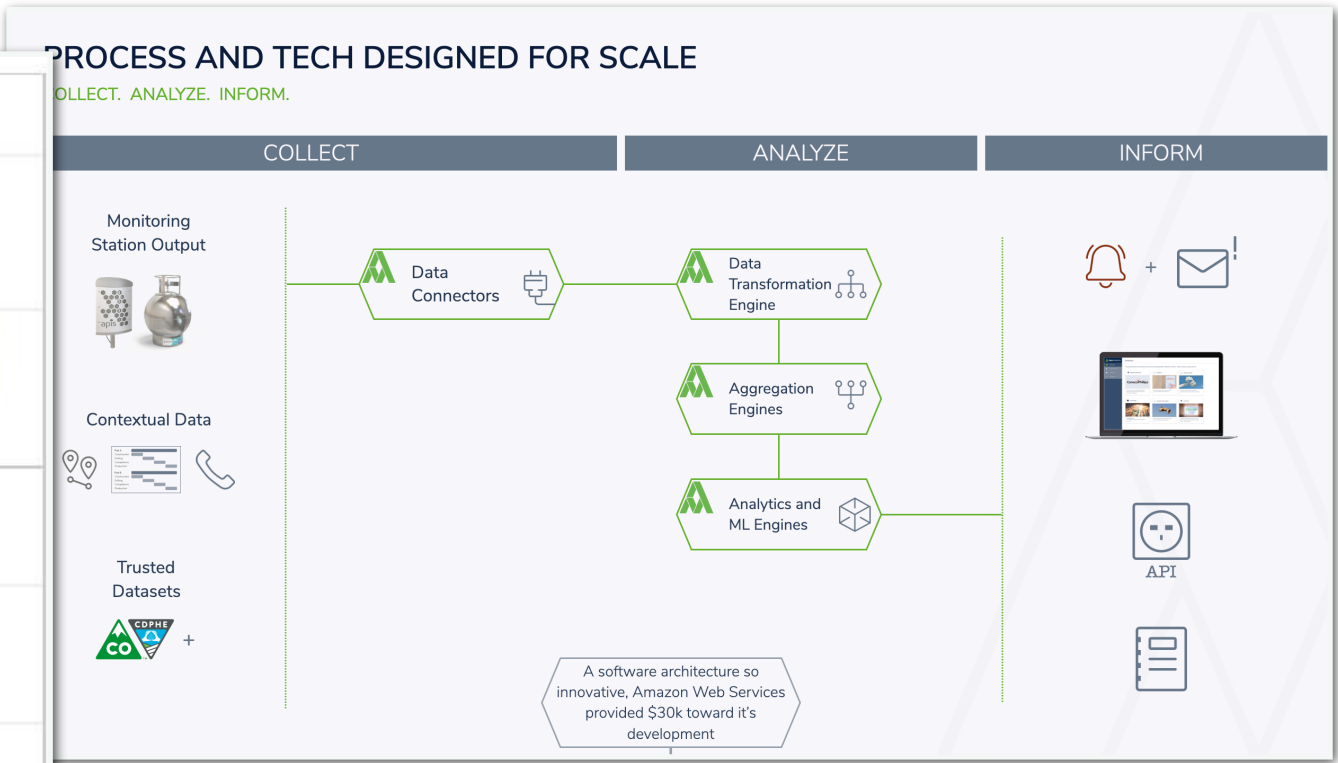
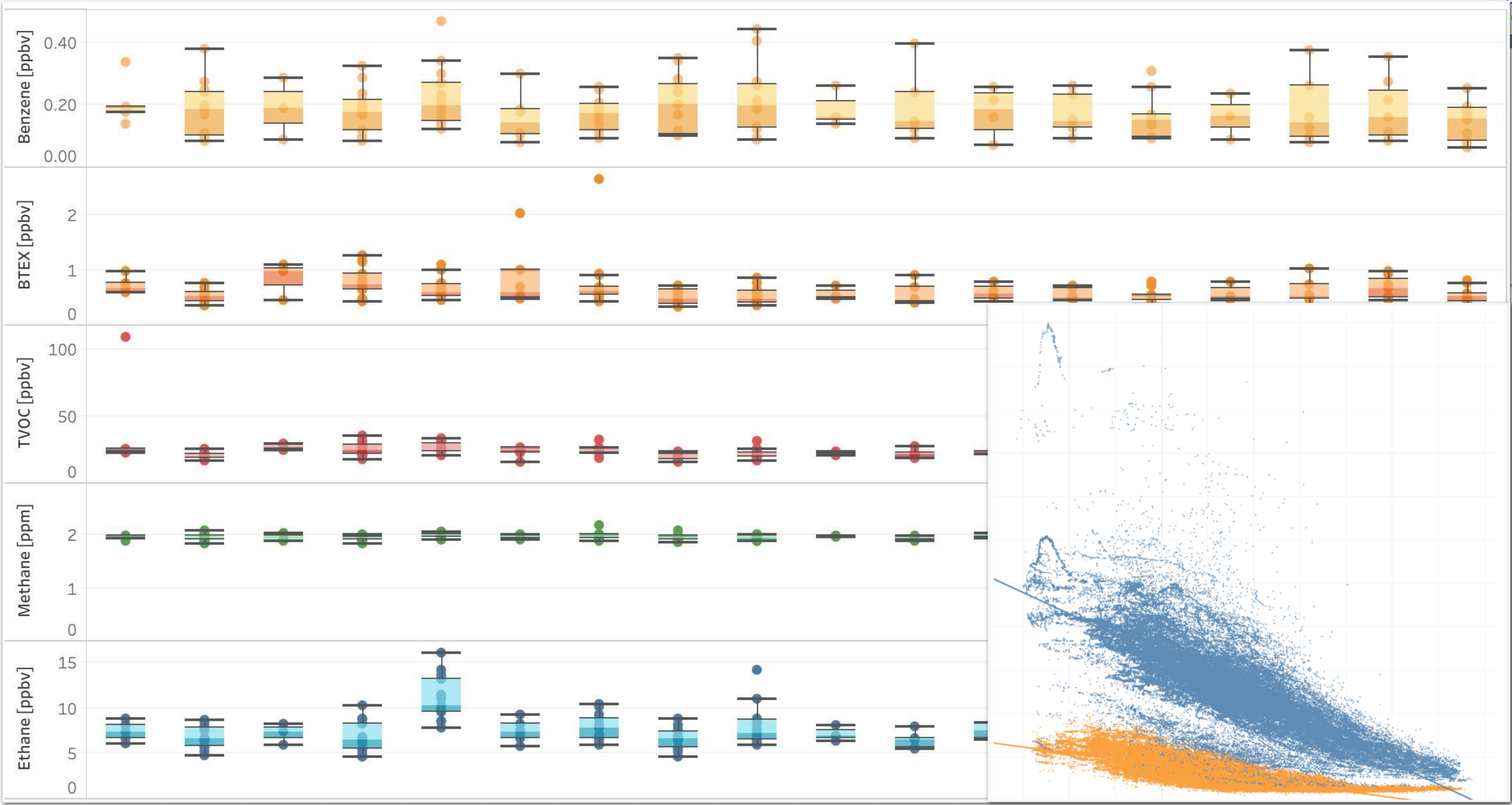
	 AjaxAnalytics	T&M Consultancy <small>(AECOM, Baker Hughes, LTE, Air Resource Specialists, CTEH, Montrose Environmental)</small>	In-House Option <small>(Buy/hire equipment, hire field staff, hire environmental experts, buy/build data management software)</small>
independent and trusted monitoring results			
comprehensive, single-vendor solution <small>(Methodology, equipment, install, maintenance, reporting, and presentation)</small>			
predictable and stable cost model			
enterprise-grade data platform			
proven, repeatable methodology			
expert scientific analysis			

PROCESS AND TECH DESIGNED FOR SCALE

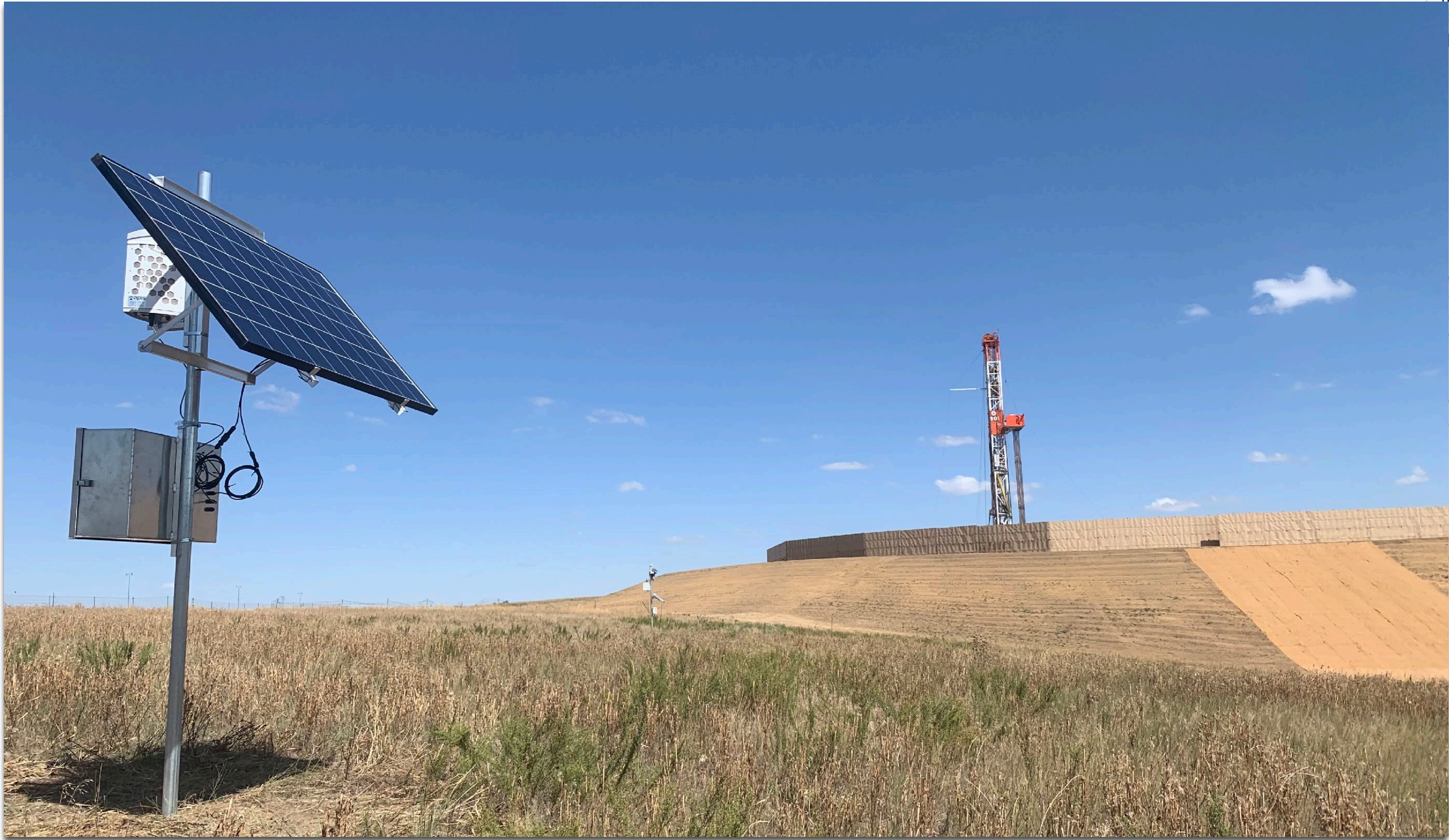
COLLECT. ANALYZE. INFORM.



COMPETITIVE ADVANTAGE



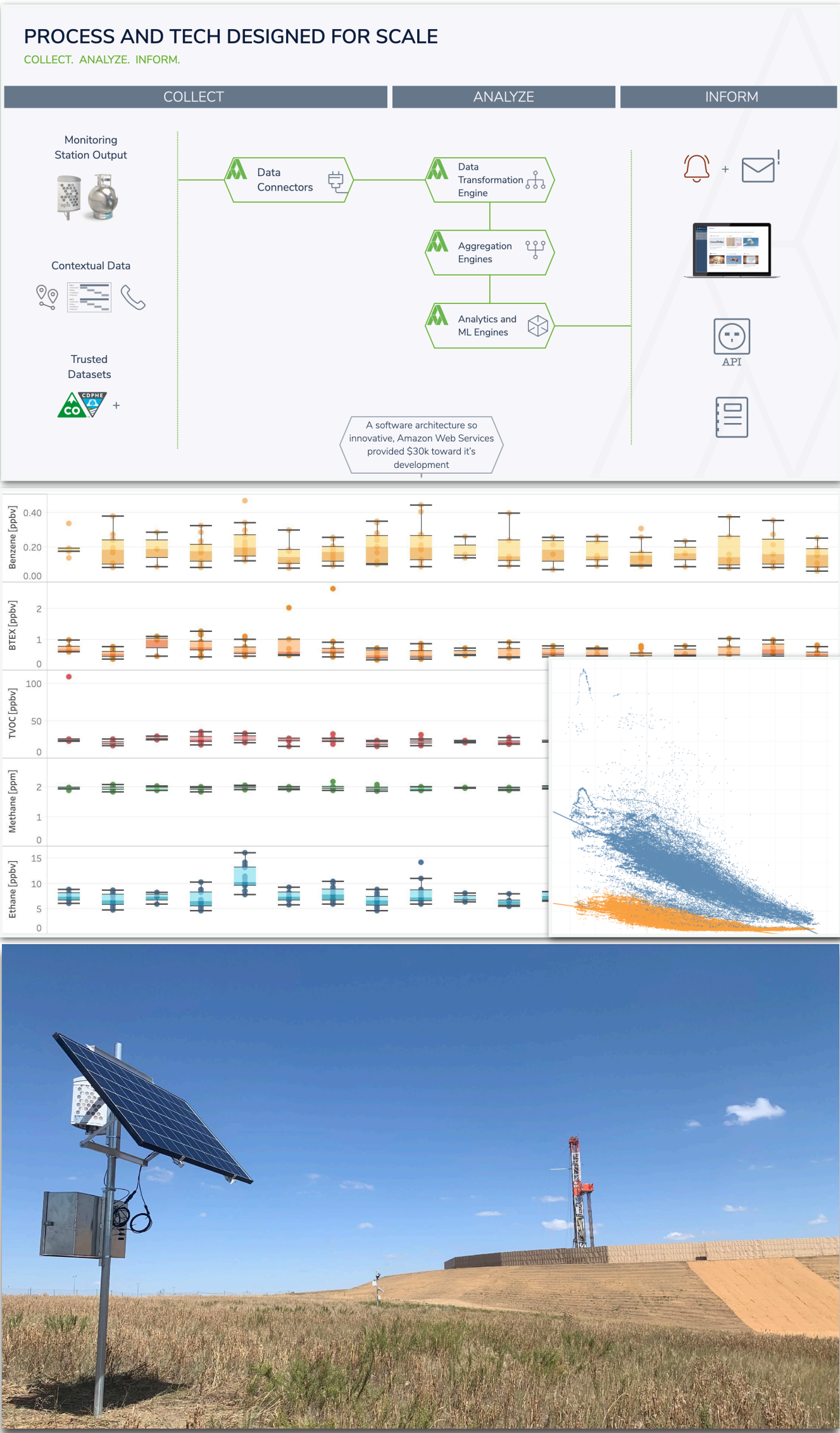
COMPETITIVE ADVANTAGE



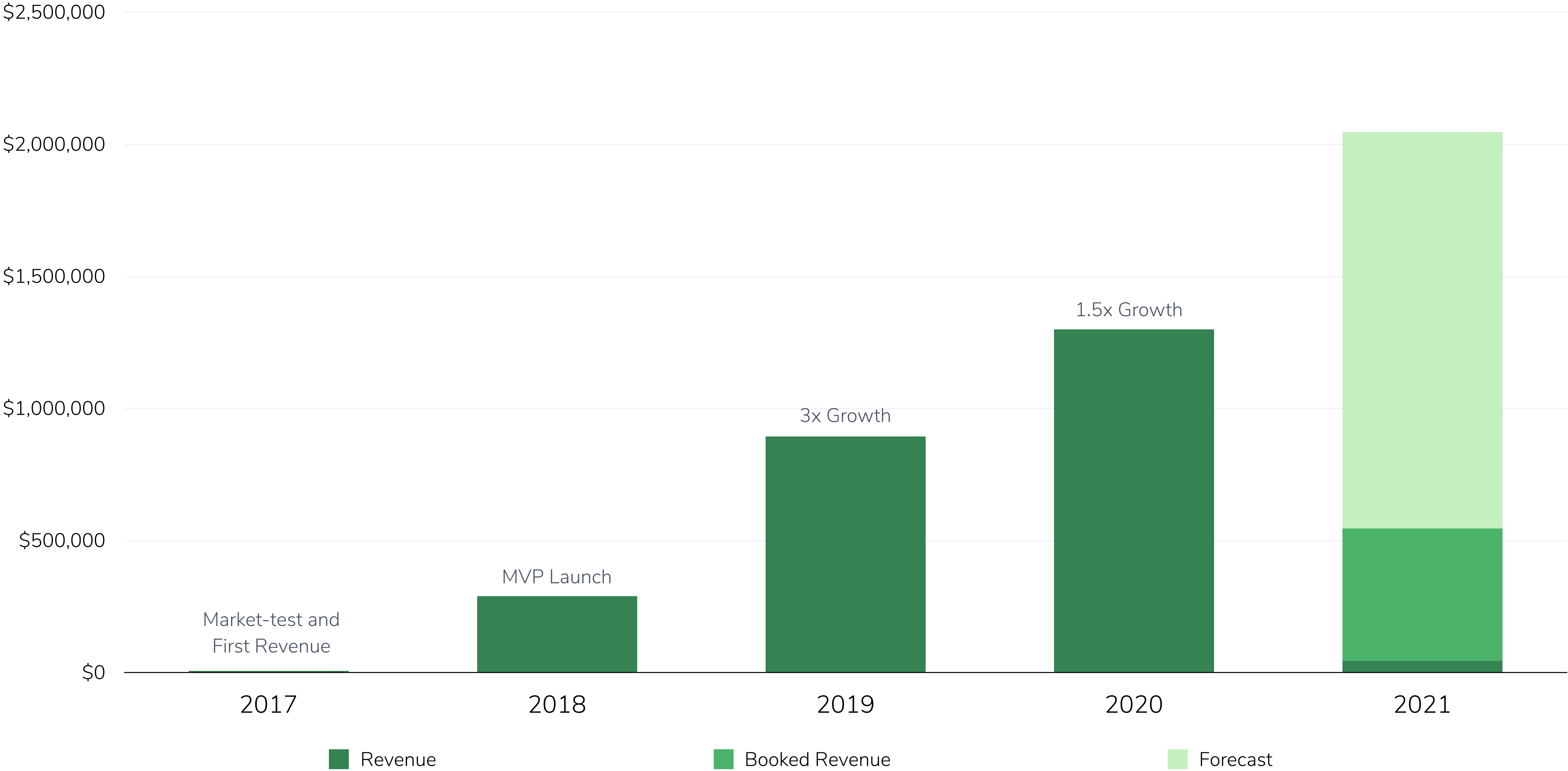
OUR VALUES

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REVENUE





Ajax Analytics

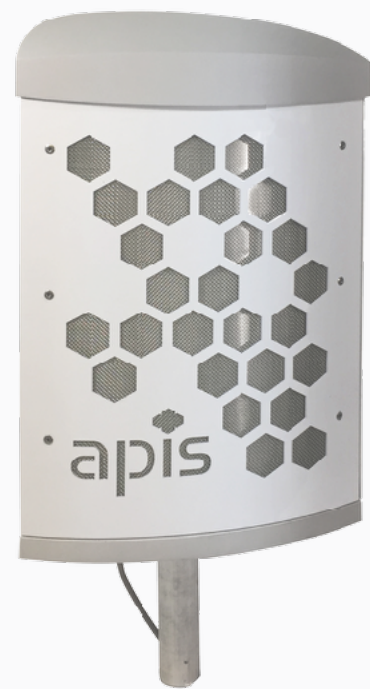
brent.buck@ajax-analytics.com

m: 970-310-5007

ajax-analytics.com

LATEST MONITORING TECHNOLOGIES

USING INNOVATIVE TECHNOLOGIES IN COMPLEMENTARY WAYS



Continuous indicator-level monitoring 15 second measurements at 1- or 5-minute resolution

TVOC indicator detection at parts-per-billion change response with PID sensors (photo-ionization)

Hydrocarbon indicator detection at sub-parts-per-million change response with MEMS sensors

Particulate Matter 2.5 and 10 with +/- 20% accuracy when compared to reference-level

Meteorological suite including wind speed, wind direction, temperature, pressure, humidity

Whole-air sample triggering system collects reference-grade samples when it counts

Solar-powered and cellular connected

Environmental-chamber calibrated annually



As-needed sampling triggered by sensor system and deployed manually during some operations

Identification of up to ~60 VOC concentrations with EPA method lab analysis

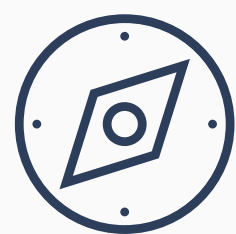
Reference-grade measurements

Results available within 2 to 4 weeks



FULLY-MANAGED AIR MONITORING SERVICE

AN INDEPENDENT, UN-BIASED, COMPREHENSIVE AND INNOVATIVE SOLUTION



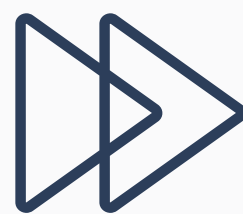
Discovery



Contract



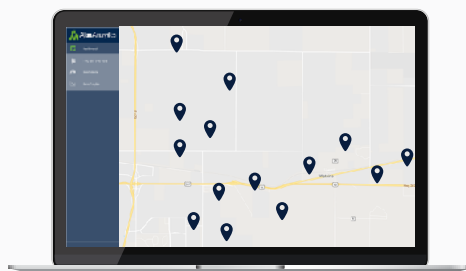
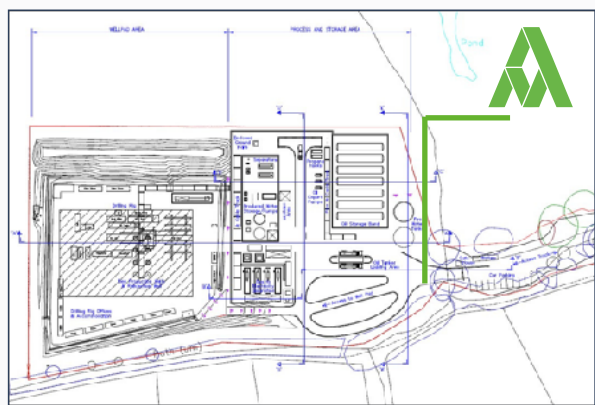
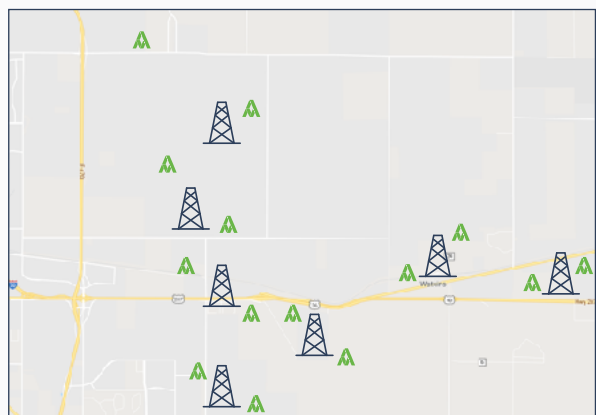
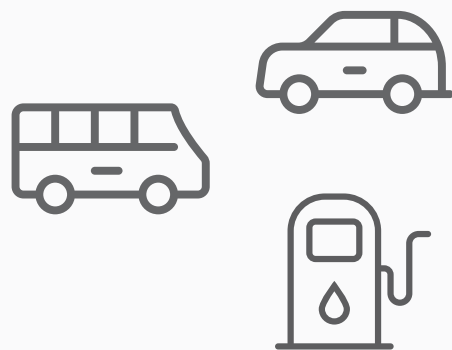
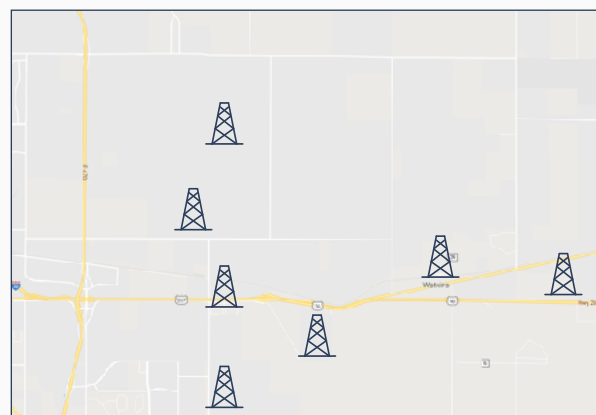
Planning



Deployment



Execution



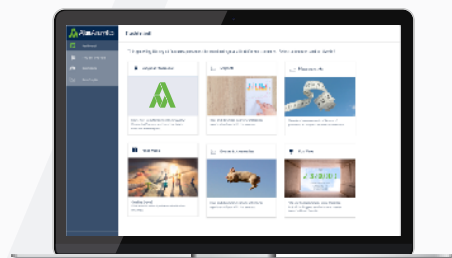
Alerts & Notifications



Meeting Cadence



Maintenance



Reporting

THE AJAX ANALYTICS BACKSTORY

DISCIPLINED AND SUSTAINABLE GROWTH

