



# Autonomous Audits

Up to 70% time savings with superior accuracy and faster time to market for your products.



Mercedes-Benz

**SCHAEFFLER**

**bsi.**



Lloyd's  
Register



Bundesamt  
für Sicherheit in der  
Informationstechnik



Audits drain resources without driving value.

Organization are increasingly pressured to navigate a rapidly evolving regulatory environment. At the same time, they often run inefficient, slow, costly digitization initiatives, which often fail to deliver value.

Dynamic  
regulations



Scalability



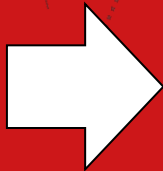
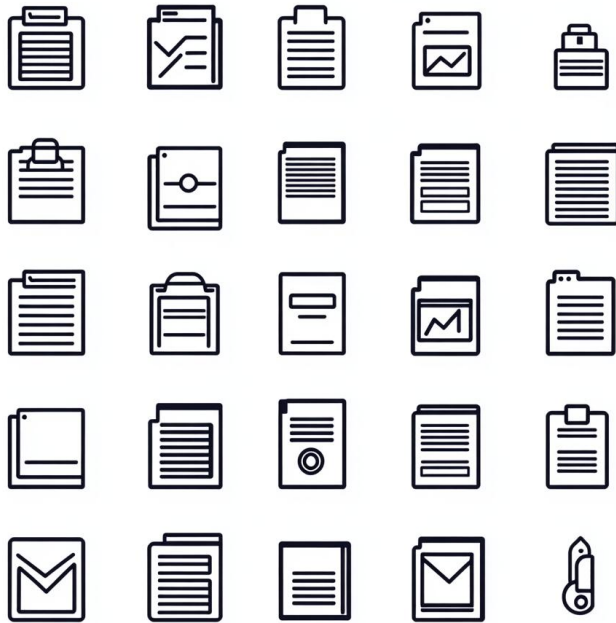
Complexity





# Meet the LTXR end-to-end automated Audit platform.

Turn all data sources like documents, emails, PDF, data bases into audit-ready evidence—automatically. Streamline workflows and reduce manual audit time by up to 70%.



ESRS	DR	Paragraph	Related AR	Name	Data Type	Completeness	Upload Evidence	
E2	E2 IRO-1	11 a	AR 1-AR 8	Information about methodologies, assumptions and tools used to screen site locations and business activities in order to identify actual and potential pollution-related impacts, risks and opportunities in own operations and upstream and downstream value chain	narrative	<div></div>	Choose File	No file chosen
E2	E2 IRO-1	11 b	nan	Disclosure of whether and how consultations have been conducted (pollution)	narrative	<div></div>	Choose File	No file chosen
E2	E2 IRO-1	AR 9	nan	Disclosure of results of materiality assessment (pollution)	narrative	<div></div>	Choose File	No file chosen
E2	E2-1	14	AR 10	Policies to manage its material impacts, risks and opportunities related to pollution [see ESRS 2 MDR-P]	MDR-P	<div></div>	Choose File	No file chosen
E2	E2-1	15 a	AR 11	Disclosure of whether and how policy addresses mitigating negative impacts related to pollution of air, water and soil	narrative	<div></div>	Choose File	No file chosen
E2	E2-1	15 b	AR 11	Disclosure of whether and how policy addresses substituting and minimising use of substances of concern and phasing out substances of very high concern	narrative	<div></div>	Choose File	No file chosen
E2	E2-1	15 c	nan	Disclosure of whether and how policy addresses avoiding incidents and emergency situations, and if and when they occur, controlling and limiting their impact on people and environment	narrative	<div></div>	Choose File	No file chosen
E2	E2-1	AR 12	nan	Disclosure of contextual information on relations between policies implemented and how policies contribute to EU Action Plan Towards Zero Pollution for Air, Water and Soil	narrative	<div></div>	Choose File	No file chosen
E2	E2-2	18	nan	Actions and resources in relation to pollution [see ESRS 2 MDR-A]	MDR-A	<div></div>	Choose File	No file chosen
E2	E2-2	19	nan	Layer in mitigation hierarchy to which action can be allocated to (pollution)	semi-narrative	<div></div>	Choose File	No file chosen
E2	E2-2	AR 13	nan	Action related to pollution extends to upstream/downstream value chain engagements	semi-narrative	<div></div>	Choose File	No file chosen
E2	E2-2	19	AR 14	Layer in mitigation hierarchy to which resources can be allocated to (pollution)	semi-narrative	<div></div>	Choose File	No file chosen
E2	E2-2	AR 15	nan	Information about action plans that have been implemented at site-level (pollution)	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	22	AR 19	Tracking effectiveness of policies and actions through targets [see ESRS 2 MDR-T ]	MDR-T	<div></div>	Choose File	No file chosen
E2	E2-3	23 a	nan	Disclosure of whether and how target relates to prevention and control of air pollutants and respective specific loads	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	23 b	nan	Disclosure of whether and how target relates to prevention and control of emissions to water and respective specific loads	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	23 c	nan	Disclosure of whether and how target relates to prevention and control of pollution to soil and respective specific loads	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	23 d	nan	Disclosure of whether and how target relates to prevention and control of substances of concern and substances of very high concern	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	24	AR 16	Ecological thresholds and entity-specific allocations were taken into consideration when setting pollution-related target	semi-narrative	<div></div>	Choose File	No file chosen
E2	E2-3	24 a	AR 16	Disclosure of ecological thresholds identified and methodology used to identify ecological thresholds (pollution)	narrative	<div></div>	Choose File	No file chosen
E2	E2-3	24 b	AR 16	Disclosure of how ecological entity-specific thresholds were determined (pollution)	narrative	<div></div>	Choose File	No file chosen
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E2	E2-4	28 a	AR 21 - 22	Emissions to air by pollutant	Table/mass	<div></div>	Choose File	No file chosen
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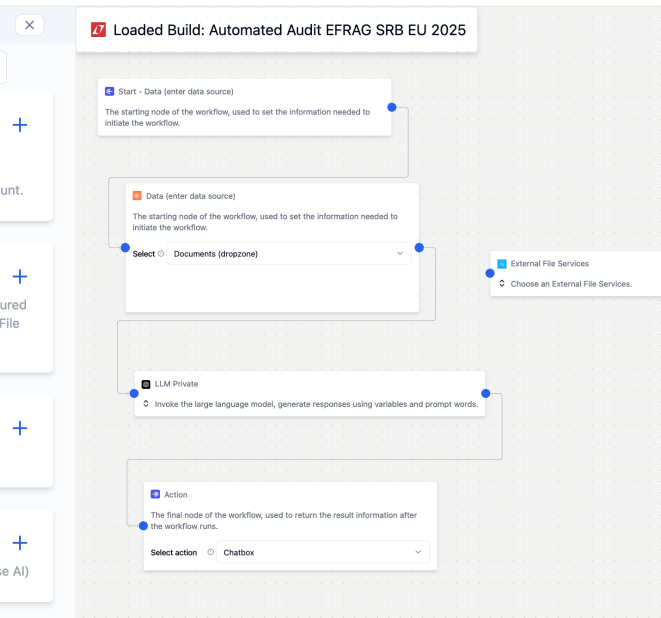




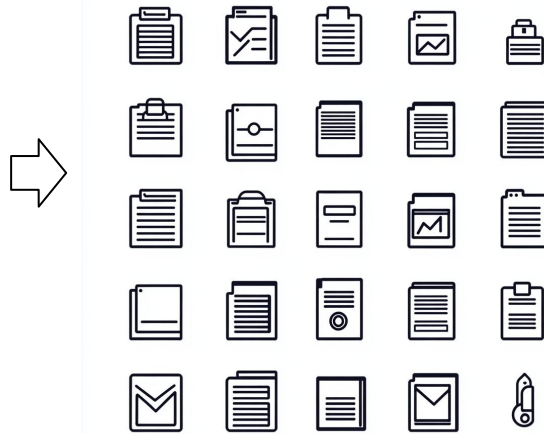
# How does it work?

Build your own audit pipeline or use a pre-built audit template from the LXTXR library, e.g. ROHS, EFRAG SRB, ISO 27001, ...

## Step 1: Build audit pipeline or use pre-defined templates



## Step 2: Drag & drop requirements and evidence, use any format, e.g. PDF, Word, Excel, Email, ...



The LXTXR auditor will automatically match evidence from the provided documents with the seperately provided requirements.

## Step 3: Validate results

Human Auditor reviews and refines results, upload additional evidence where needed.

ESRS	DR	Paragraph	Related AR	Name	Data Type	Completeness	Upload Evidence
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E2	E2-1	AR 12	nan	Disclosure of contextual information on relations between policies implemented and how policies contribute to EU Action Plan Towards Zero Pollution for Air, Water and Soil	narrative	<div><div></div></div>	<a href="#">Choose File</a> <a href="#">No file chosen</a>
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E2	E2-3	23 c	nan	Disclosure of whether and how target relates to prevention and control of pollution to soil and respective specific loads	narrative	<div><div></div></div>	<a href="#">Choose File</a> <a href="#">No file chosen</a>
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E2	E2-4	28 a	AR 21-22	Emissions to water by pollutant [+ by sectors/Geographical Area/Type of source/Site location]	Table/mass	<div><div></div></div>	<a href="#">Choose File</a> <a href="#">No file chosen</a>



# Sample use cases

LXTXR auscultation  
LXTXR satellite image analysis  
LXTXR Francis turbine digital clone (RUL)  
LXTXR Francis turbine anomalies  
LXTXR entity extraction  
LXTXR Pelton turbine digital clone (RUL)  
LXTXR Pelton turbine anomalies  
LXTXR HMLV shopfloor scheduling  
LXTXR after sales opportunities  
LXTXR demand forecast  
LXTXR transformer analysis  
LXTXR Windturbine anomalies  
LXTXR space exploration trajectory

AI (analyze un

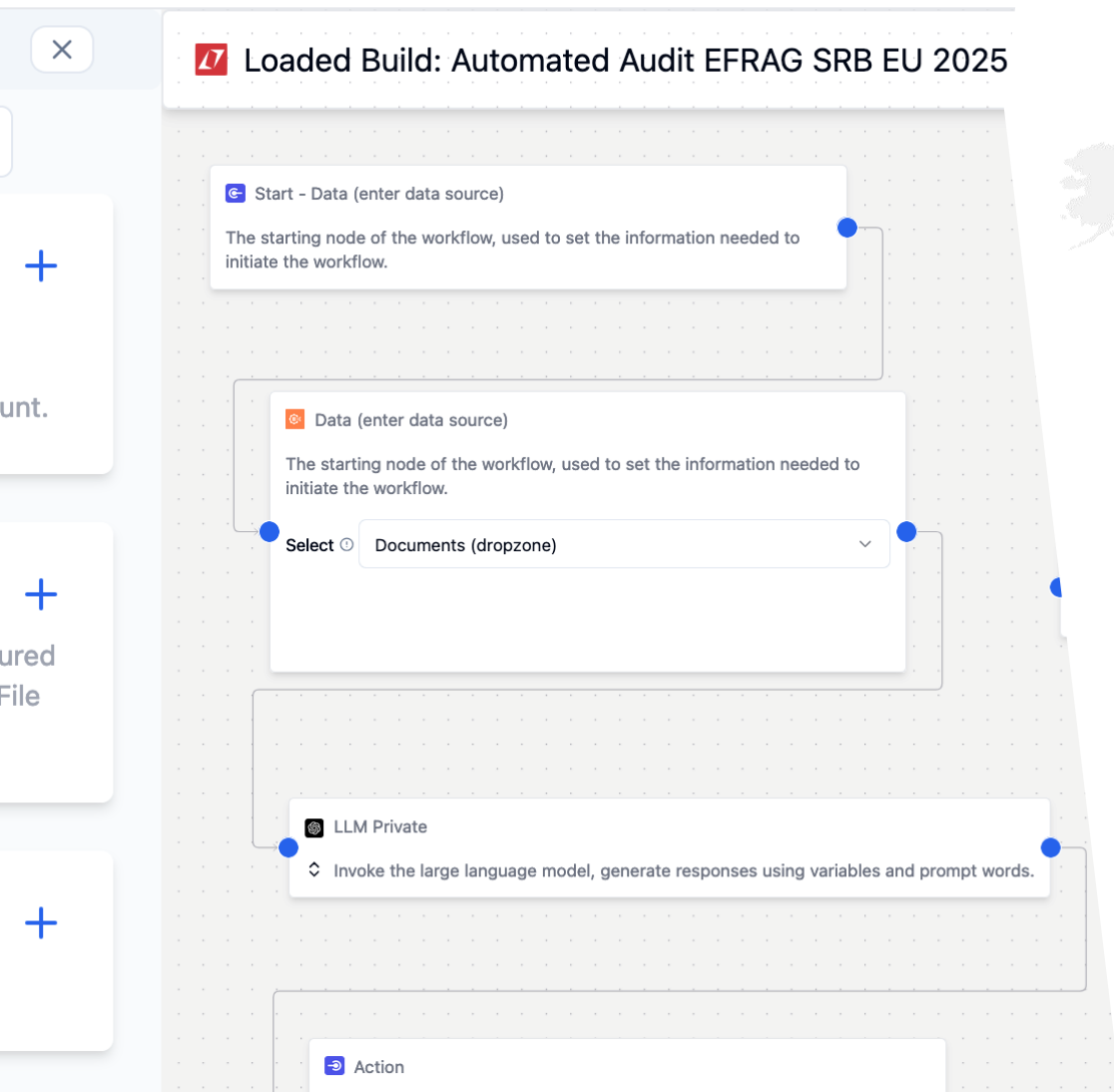
The starting node  
initiate the workflow

Select model Select AI model

Action

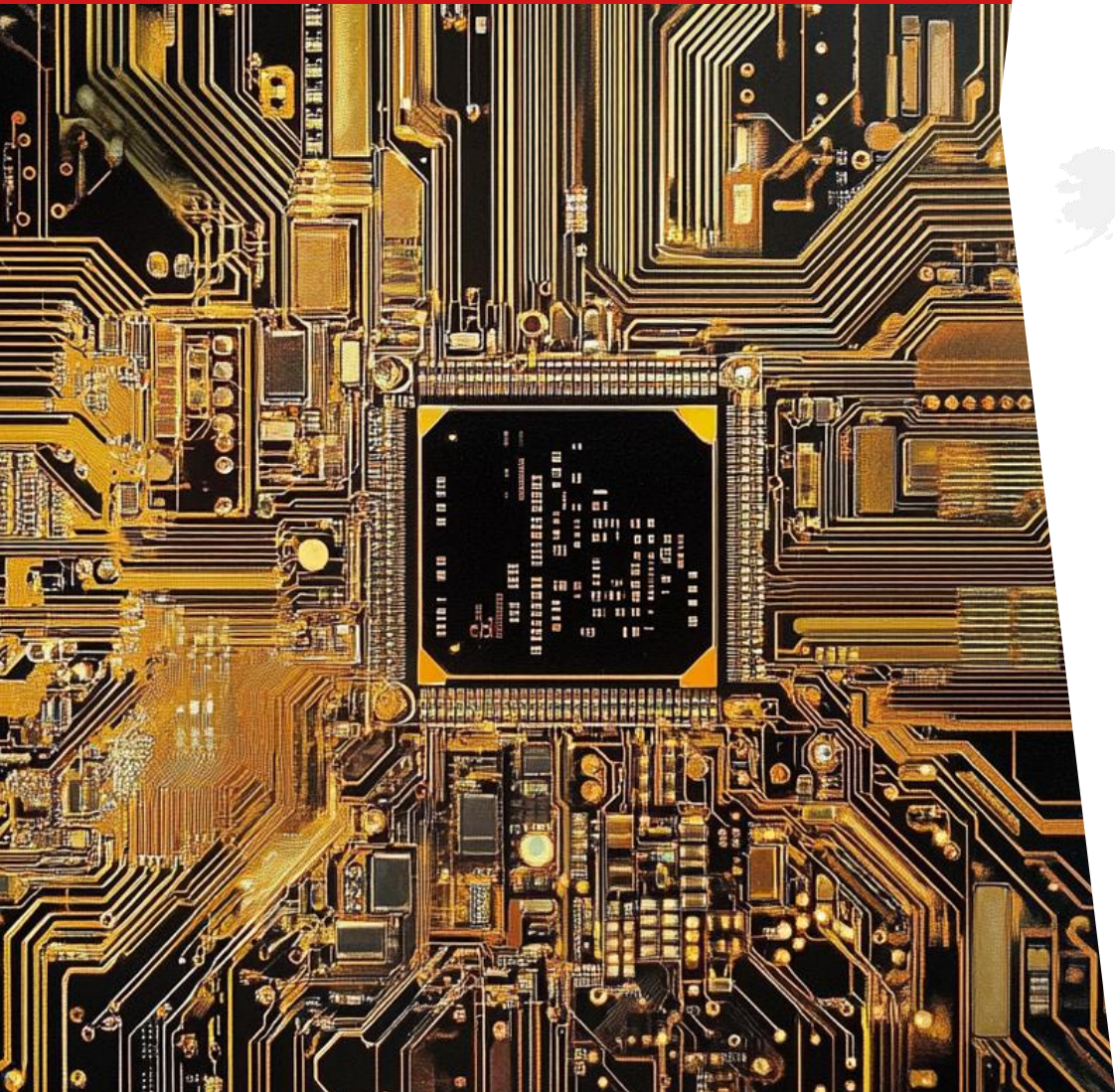
The final node of the workflow, used to return the result  
the workflow runs



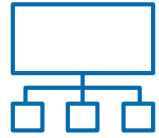


# Example Audit Templates:

- **ROHS**
- **COBIT** (cyber security)
- ***GB 44495-2024*** (Automotive)
- ***NIST ISACA*** (cyber security, space tech)
- **EFRAG SRB**
- **ISPS** (International Ship and Port Facility Security)
- **We support you in defining new audits and compliance frameworks**



# RoHS compliance



- ❑ **Restriction of Hazardous Substances Directive**
- ❑ **RoHS compliance is essential for electronics producers to access global markets, ensure environmental sustainability, maintain regulatory adherence, and foster innovation in safer product designs.**
- ❑ **Impacts a broad range of internal functions, e.g. Legal and Market Access, Material and Component Selection, Cost and Process Implications, Risk Management**
- ❑ **Link to sample video: [100 BoschRexroth AuditAutomation](#)**

## Results

**Reduced manual review time by 70%,  
accelerating report generation and improving  
accuracy by 35%.**



# Safety Audits

powered by LexaTexer™ - next generation predictive analytics

- Automated Event detection from distributed siloed documents
- All events extracted and probabilities calculated as a function of the task
- Optimized scheduling of task to reduce risk

## Results

Safety optimized task scheduling reduces safety-related incidents by 40%.

Delivery date

10/04/2019

LXTXR location

Singapore

LXTXR service line

Marine Compliance - Sales & Op

LXTXR temperatur

middle

LXTXR temperatur variants

high

LXTXR rainfall

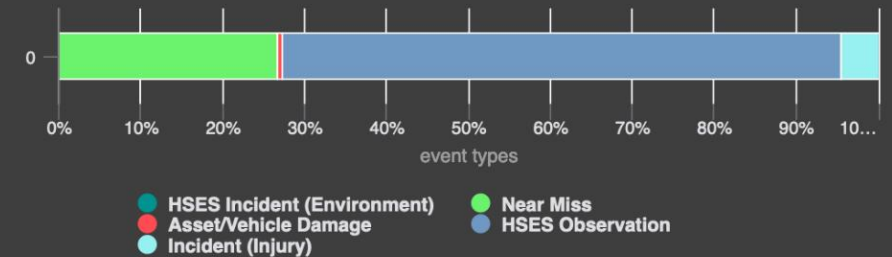
high

Training received

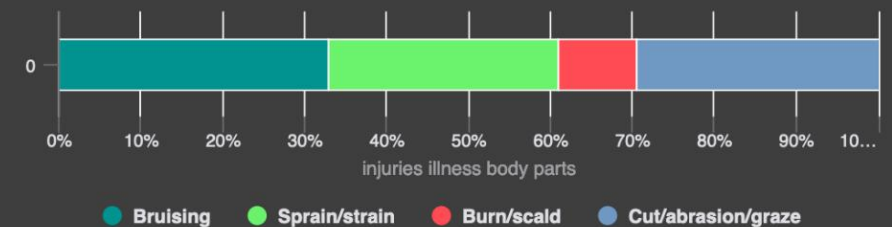
Predict

At Dong-A (Manufacturer of components for Main Engines) during Hydro test of 1-piece of GCB (Gas Control Block) at re\_per of 525 bar, the side piece of jig-arrangement got detached sounding like explosion and releasing the pressurized oil at extreme speed (please see photo attached). Luckily neither myself nor Manufacturer's staff was standing on the side of the GCB and no bolts were removed during the detachment. Immediately stopped the Inspection, QM admitted that the GCB had not been tested before Class inspection and requested for the bolt threads to be checked and after fixing the depth re-test the GCB.

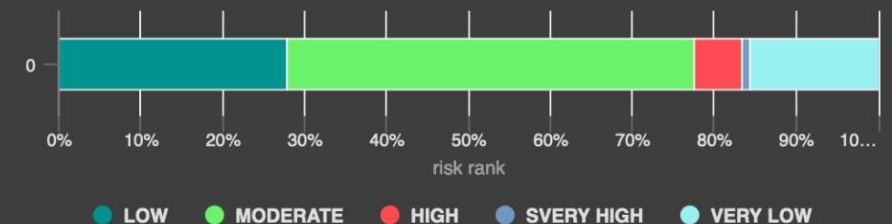
### EVENT TYPES



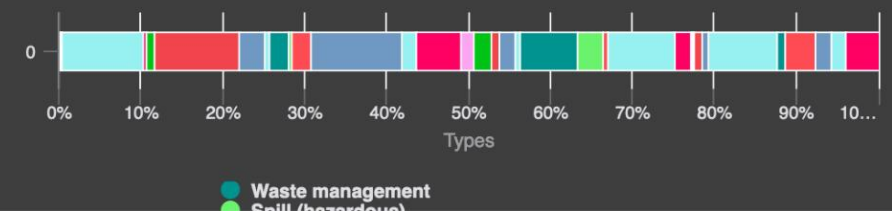
### INJURIES ILLNESS BODY PARTS



### RISK RANK

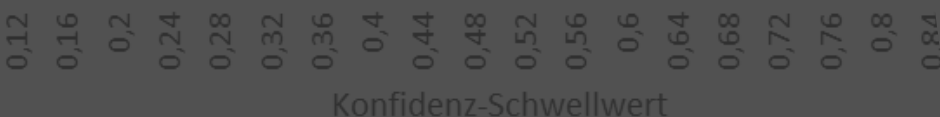


### TYPES



## Financial Audits

- Automated Event detection from distributed siloed documents
- Identify anomalies, potential fraud
- Merge unstructured data (text) and structured financial data



## Automated transaction classification

Classification of invoices and transactions is error prone, costly, won't scale and is labour intense. Additionally, the process is susceptible to scams and cover-ups. Is there a way to automated and improve quality at the same time?

78

Accounts

52

features

2

Years' Data History

44.000

Transactions per year

Objectives included: classify invoices and transactions to the correct account, identify potential mis-classifications by human operator, support human operator by suggesting classification options while providing an explanation (X-AI). Identify potential fraud.

90%

Automation level for whitebox approach

92%

Automation level for blackbox approach

40%

Increase in accuracy over human operator

# Automated Audit Benefits

## Efficiency



Accelerate audit processes significantly. 70% time savings is realistic.

## Quality



Highlight key issues, enhance audit quality and outcomes.

## Reuse



Reuse content and audit controls across multiple audit frameworks.

## Speed



Faster time to market for your products, electronics (Space), cars (Cyber security)

## Monitor



Monitor compliance trends over time.





# Contact me for partnering and pilot opportunities



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