TESSERA DEFENSE AND HOMELAND SECURITY INC

Tessera Defense and Homeland Security Inc.

Prevent Physical Threats Before They Disrupt Critical Operations

Autonomous detection, decisioning, and response for high-consequence sites.



September 2026

TESSERA DEFENSE AND HOMELAND SECURITY INC

Forward-Looking Statements

This presentation contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and Section 21E of the Securities Exchange Act of 1934, as amended. Statements that are not historical facts, including statements about the Company's strategy and business model; the capabilities, performance and commercial prospects of the technologies held by its subsidiaries and investees; the extent to which those businesses will work together; market size and growth; the exercise of the Company's option to acquire additional interests in M.E.A. Testing Systems Ltd.; the Company's ability to identify, finance and complete further acquisitions; the Company's compliance with NYSE American continued listing standards; and the Company's financial condition and liquidity, are forward-looking statements. Words such as "expect," "intend," "plan," "believe," "anticipate," "estimate," "target," "may," "will" and "could" identify forward-looking statements.

These statements are based on management's current expectations and are subject to risks and uncertainties that could cause actual results to differ materially, including: the Company's history of losses, limited revenue and need for additional capital; substantial doubt about the Company's ability to continue as a going concern; the Company's ability to regain and maintain compliance with NYSE American continued listing standards within the plan period and the risk of delisting; the Company's limited operating history in the defense and homeland security sector; dependence on a small number of customers and pilots, including Israeli defense primes and government bodies; Israeli defense export control requirements and Israel Innovation Authority restrictions; conditions in Israel, including the security situation; risks relating to minority investments and to integrating acquired businesses; and the other risks described under "Risk Factors" in the Company's Annual Report on Form 10-K for the year ended December 31, 2025, its Quarterly Report on Form 10-Q for the quarter ended June 30, 2026, and its subsequent filings with the Securities and Exchange Commission. Forward-looking statements speak only as of the date of this presentation. The Company undertakes no obligation to update them except as required by law.

Market and industry data are derived from third-party sources the Company believes to be reliable but has not independently verified, and involve assumptions and estimates that are subject to change. Product performance figures are based on the applicable subsidiary's specifications and testing and may not be achieved in every deployment. This presentation is furnished for informational purposes only. It is not an offer to sell, or a solicitation of an offer to buy, any securities.

Tessera Defense and Homeland Security Inc, September 2026

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A premier, AI-driven security platform that connects predictive intelligence, sensing, analysis, decisioning and response.



More to Protect. More to Process. Limited Human Capacity.

Security systems are generating more information than human teams can efficiently monitor and act on

USA

1.29M

Number of U.S. security guards, with only **1% employment growth** projected through 2035

35%

Percentage of security professionals reporting that 90% of access-control incidents were false alarms or minor incidents

50%+

Percentage of physical-security operations already use AI or automation tools in some form

EU

1.1M

People employed in EU security and investigation activities, with persistent labour shortages identified across 11 Member States

75%

Percentage of security professionals reporting that 90% of access-control incidents were false alarms or minor incidents

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From Risk to Response

Predict

Identify patterns and emerging risks.

SENSE

Capture activity across physical systems.

ANALYZE

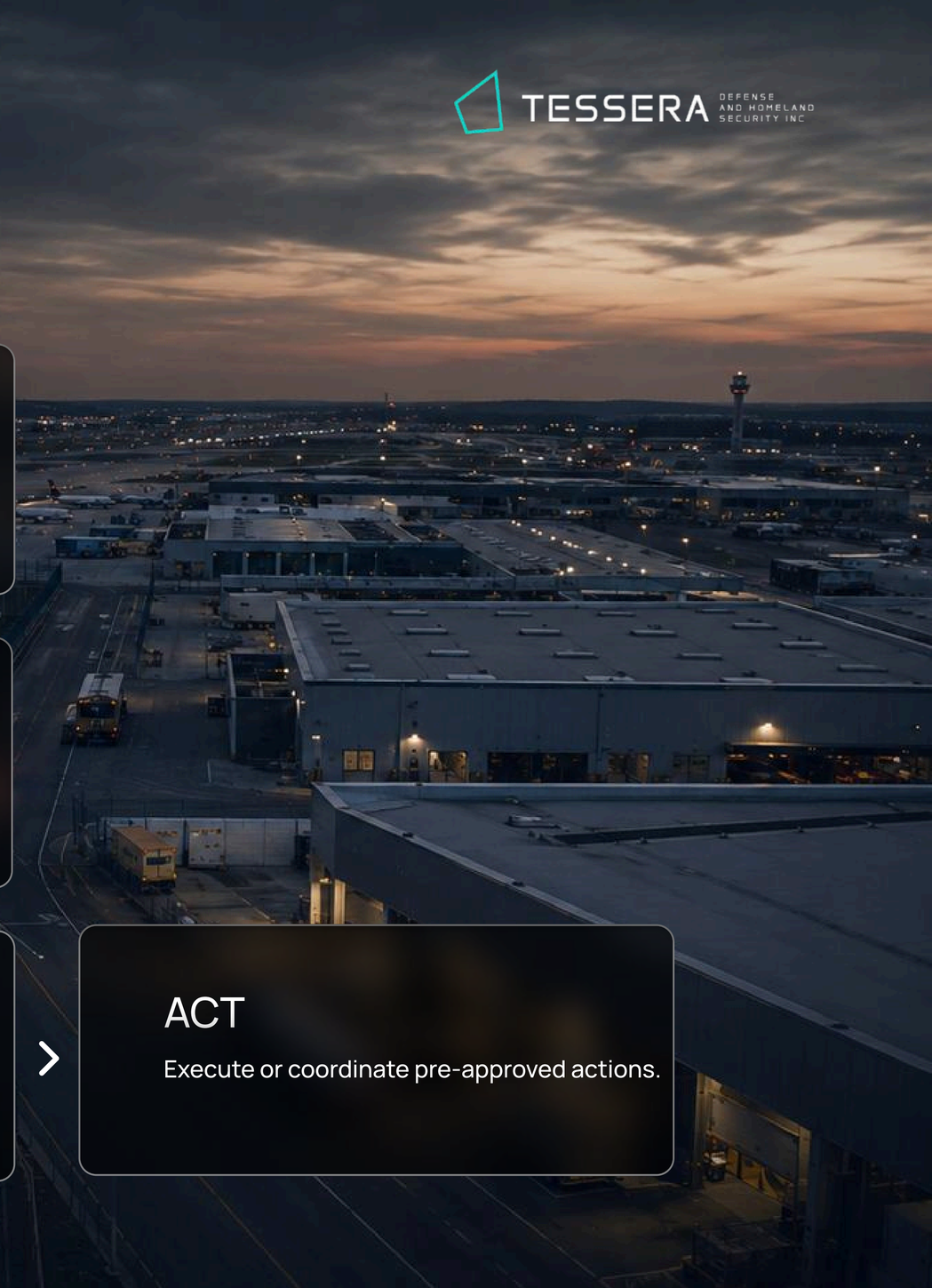
Correlate data and understand what is happening.

DECIDE

Prioritize threats and determine the right response.

ACT

Execute or coordinate pre-approved actions.



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Security Is Moving Faster Than Ever

Threats are harder to predict.

Systems remain fragmented.

Response windows are shrinking.

Security must move from reactive monitoring to **continuous anticipation and action**.

Tessera Defense and Homeland Security Inc, September 2026

Tessera Platform Architecture

Multi-sensor detection for predictive autonomous response

Markets Served

MoD/ Defense | **HLS** | Enterprise

Software | **Hardware** | **Consulting** | **Advisory**

INPUTS

- VISINT
- Acoustic
- Thermal
- Seismic
- SIGNIT
- OSINT

External data feeds

S.I / STARTEGIC PARTNER

DATA POOL

Ingest

Normalize

Fuse

Enrich

Consulting & Advisory

Tessera Core Intelligence Engine

P	Prediction	Anticipate likely events
D	Discovery	Detect objects on any sensor
C	Understanding	Classify what the object is
R	Reccomendations	Propose the best course
A	Actions	Execute the response

Enterprise 1 | Enterprise 2 | Enterprise 3

Response

Alert
Operation notifications

Human
Operation notifications

Robotics
Operation notifications

A Security Platform, Adapted to Each Environment



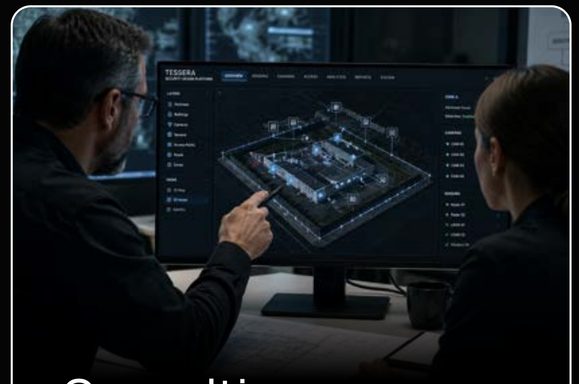
Hardware

Customers can add specialized sensing and response hardware where desired.



Software

The Tessera homeland-security platform is the core product.



Consulting

Tessera experts can help in designing systems from the ground up, platform integration, and operating procedures.



Zorronet - The AI Core

Zorronet provides the Autonomous Operational Intelligence behind Tessera.

It learns normal patterns, validates events across systems, understands context, decides what matters and coordinates action.

Learn & Validate

Learns what's normal and what's malicious, checks events across sensors, AI models and historical data.

Understand & Decide

Uses location, behavior, time, identity and system status to understand events in context and apply policy rules.

Act & Reassess

Coordinates cameras, sensors, access systems, autonomous platforms and response procedures, adapting them as events change.

Built for Existing Security Environments

On-premise or air-gapped • Local processing • Multi-system integration • Human-in-the-loop to fully autonomous execution

ZORRONET TESSERA DEFENSE AND HOMELAND SECURITY INC

Proven Across Real-World Deployments





DFSL - The Detection Core

A company with over 3 decades of experience, DFSL provides the advanced sensing and detection core behind the Tessera homeland-security platform.

Its LADAR (Laser Radar)-based technology detects, tracks and classifies activity across wide areas, giving Tessera a clear physical picture to analyze and act on.

Detect & Track

Identifies movement and follows targets across open areas and complex terrain.

Classify

Distinguishes people, vehicles, UAVs and other objects to improve situational awareness.

Cover Wide Areas

Extends detection across perimeters, borders, critical infrastructure and other high-consequence sites.

Built for Demanding Security Environments

LADAR-based sensing • Wide-area coverage • Automated tracking • Multi-target detection



Motomea - The Validation Engine

Motomea develops electric motor testing systems for drones and UAS platforms. Its technology helps measure, test and validate the performance of propulsion systems under controlled conditions.

*10% ownership subject to closing with an option of up to 78.9%

Electric Motor Testing

Provides structured data to evaluate how systems perform before deployment.

Propulsion Validation

Measures propulsion-system performance across defined operating conditions.

Real-World Validation

Helps validate sensing, intelligence and response capabilities under real conditions

Platform Extension

Expands Tessera beyond detection and intelligence with dedicated testing and validation capabilities

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TESSERA Four Layers. One Closed Loop

Every layer works with the next — automatically.



Multi-Sensor Ingestion

Ingest data from existing and new perimeter, surveillance, and access systems.

AI Threat Detection

Correlate signals in real time. Filter noise. Detect credible threats.

Classify & Prioritize

Determine severity and intent. Select the right response workflow.

Autonomous Response*

Execute pre-approved containment, dispatch, and isolation workflows.

- Regulated
- Human Supervised Autonomy

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What "Autonomous Response" Actually Does

Pre-approved actions execute in real time — with operator supervision when needed.

Alarm & Notification

Prioritized incident view with contextual evidence for the operator.

Camera Tracking

PTZ cameras auto-follow the threat and lock on for verification.

Deterrence

Trigger lighting, audible warnings, or on-site deterrent measures.

Access Control Override

Restrict, lock, or reroute access points at the affected zone.

Human / Robotics

Automated notification and routing of the security response team.

Subsystem Isolation

Localized containment and approved isolation of critical modules.

Every response workflow is customer-defined and pre-approved. Operator supervision available at every step.

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Priority Markets

Three critical-infrastructure segments where delayed response equals real loss.

1

Digital Infrastructure

TARGET ENVIRONMENTS

Data centers, telecom facilities, network hubs, Underwater Cables Ports, etc.

PRIMARY SECURITY CHALLENGE

Preventing disruption to always-on operations

2

Industrial & Energy

TARGET ENVIRONMENTS

Industrial compounds, power and energy sites, remote facilities

PRIMARY SECURITY CHALLENGE

Protecting distributed assets with limited on-site staffing

3

Government & Border

TARGET ENVIRONMENTS

Border control, government facilities, sensitive public sites

PRIMARY SECURITY CHALLENGE

Detecting and containing threats across complex perimeters

Executive Leadership Built for Growth and Execution

Tessera's executive team combines public-company leadership, defense-sector experience, and commercial execution



Michael Oster

Chief Executive Officer

Experienced executive with 25+ years in corporate finance, M&A, international transactions, and public company leadership. Mr. Oster advises boards, investors, and executives on strategic and capital-markets matters. He is also CEO and director of Saffron Tech Ltd. and a director at BladeRanger Ltd. (TLV: BLRN), with expertise in technology, infrastructure, and UAS applications.



David Rokach

Chief Financial Officer

Finance and investment executive with experience in public companies, alternative investments, and portfolio management. Mr. Rokach is the founder and CEO of Tokara Management Ltd., serves as a Senior Investment Manager at H.M Capital Management, and previously served on the Board of T3 Defense Inc.



Roy Timor-Rousso

Chief Business Officer

Colonel (Res.) with a background in military leadership and commercial growth across sovereign AI, digital infrastructure, private networks, and mission-critical technologies. Mr. Timor-Rousso brings defense-sector experience and a strong understanding of how advanced technology is adopted in complex security environments.

Advisory & Technology Leadership

Senior leaders across intelligence, defense technology, AI, and national security strengthen Tessera's platform and strategic direction



Prof. Gabi Sarusi

Advisory Board

Defense tech executive and scientist with decades in electro-optics and sensing. Former VP and Chief Scientist at Elbit Elop, now Head of Electro-Optics and Photonics at Ben-Gurion University, with past board roles at IAI, SCD, Opgal, and Medigus.



Dr. Ehud (Udi) Levi

Advisory Board

Senior intelligence advisor with 30+ years of experience. Former IDF Unit 8200 officer who led the Counter-Terror Finance Office in the Israeli Prime Minister's Office, countering terror financing networks on operations including Operation Cassandra.



Idan Wasserman

CEO, Zorronet

Experienced engineer, entrepreneur, and security-tech executive in AI, systems integration, surveillance, and defense. Founder of Zorronet, Mr. Wasserman directs the AI intelligence and orchestration core for Tessera's platform, unifying sensing, analysis, decisioning, and response.



Dr. Yaacov Frucht

CEO & Founder, DFSL

Defense tech entrepreneur and LADAR pioneer with 30+ years in sensing, detection, and tracking. Former senior research leader at Rafael, Dr. Frucht founded DFSL and led its LADAR technology development. His work provides Tessera with advanced detection, tracking, and classification capabilities across border, perimeter, critical-infrastructure, and counter-UAS applications.

Enter. Prove. Scale.

Target high-consequence homeland-security and critical-infrastructure environments.

01
Direct Engagement

Strategic customers and defined pilots



02
Systems Integrators

Joint pursuit, deployment and services.



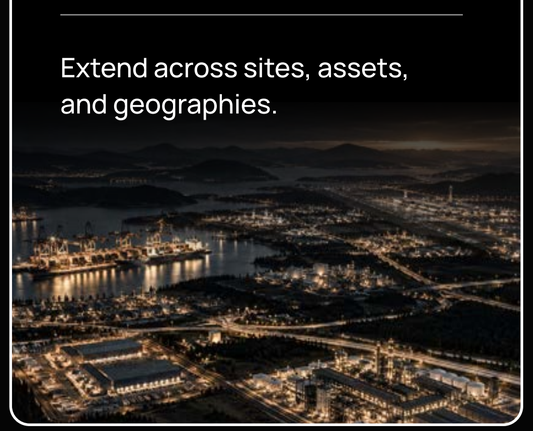
03
Channel Partners

Referral, resale and certified deployment.



04
Scale

Extend across sites, assets, and geographies.



Tessera Sits at the Intersection of Major Security Categories

Critical Infrastructure Protection

~$206B ↗

expected market by 2031

Perimeter Security

~$141B ↗

expected market by 2031

Video Analytics

~$38B ↗

expected market by 2030

Counter-UAS

~$29.7B ↗

expected market by 2031

* Click figures to view source material

How We're Making Tessera Stronger

Future acquisitions are evaluated by whether a company's technology strengthens Tessera's ability to Anticipate, Sense, Analyze, Decide or Act



PREDICTIVE INTELLIGENCE

Technology that identifies patterns, emerging risks and potential threats before an event develops.



NEW SENSING CAPABILITIES

New ways to detect physical threats.



BETTER INTELLIGENCE

Stronger classification, validation and context.



EXPANDED RESPONSE CAPABILITIES

More ways to automate or coordinate action.



DEEPER INTEGRATION

Technology that connects Tessera further into existing security systems.



COMMERCIAL ACCELERATION

Capabilities, customers or channels that expand adoption in priority markets.

Where Tessera Is Today

A snapshot of where we and our subsidiaries operate and what we have proven.

Live

Paying customer deployments

Active

Field pilots and expansions

Linked

Powerful technologies working together

Proven

Autonomous response actions in production

CURRENT FOOTPRINT

Primary base: Israel • Selected international deployments • U.S. expansion underway

A Simpler Capital Structure After the Split

What we validate jointly with each customer during pilot.

HLSQ

NYSE American ticker from September 11, 2026

Over $4 Million

Raised over the past 3 months at an average share price of approximately $2.2

$10.9M

Stockholders' equity attributable to the Company at June 30, 2026 ($17.6M total), above the NYSE American standards and ahead of the compliance plan milestones

Sept 25, 2027

End of the NYSE American compliance plan period; to date we have exceeded the compliance requirements well ahead of schedule

Homeland Security as the Launch Point

Tessera is focused first on the homeland-security market, creating a path into adjacent defense and enterprise applications.

HOMELAND SECURITY
Primary market and go-to-market focus.

DEFENSE
Expand through shared needs, technology overlap and customer relationships.

ENTERPRISE
Extend the platform into critical infrastructure and other high-consequence sites.

SOFTWARE, HARDWARE, CONSULTING & ADVISORY
Support solution design, integration and deployment.

Markets Served



Software | Hardware | Consulting | Advisory

Near Term Milestones

EXPAND INTO THE U.S. & EU

Build direct, integrator and channel routes into priority homeland-security and critical-infrastructure markets

GROW DEPLOYMENTS

Convert pilots, existing relationships and priority use cases into broader customer deployments

Use product expansion, customer growth and partnerships to build a repeatable path to scale

EXPAND THE PRODUCT

Strengthen Tessera through internal development and selective acquisitions

TESSERA DEFENSE AND HOMELAND SECURITY INC

Predict. Sense. Analyze. Decide. Act.

Tessera Defense and
Homeland Security Inc.

One platform built for the full
homeland-security cycle

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