

### DISCLAIMER

## Cautionary Note Regarding Forward-Looking Statements

This presentation contains "forward-looking statements" within the meaning of the "safe harbor" provisions of the Private Securities Litigation Reform Act of 1995, including but not limited to statements regarding the company's business plans, the anticipated impact of the COVID-19 pandemic, international expansion, expectations regarding future sales and expenses, our ability to capitalize on market opportunities, the ability to achieve near and long-term growth and profitability objectives, anticipated timing and volume of customer contract renewals, and revenue and GAAP profitability guidance for full year 2021. Words such as "expect," "anticipate," "should," "believe," "target," "project," "goals," "estimate," "potential," "predict," "may," "will," "could," "intend," variations of these terms or the negative of these terms and similar expressions are intended to identify these forward-looking statements. Forward-looking statements are subject to a number of risks and uncertainties, many of which involve factors or circumstances that are beyond the company's control. The company's actual results could differ materially from those stated or implied in forward-looking statements due to a number of factors, including but not limited to: the company's ability to successfully negotiate and execute contracts with new and existing customers in a timely manner, if at all, the company's ability to address the business and other impacts and uncertainties associated with the COVID-19 pandemic, maintain and increase sales; the availability of funding for the company's customers to purchase the company's solutions; the complexity, expense and time associated with contracting with government entities; the company's ability to maintain and expand coverage of existing public safety customer accounts and further penetrate the public safety market; the company's ability to sell its solutions into international and other new markets; the lengthy sales cycle for the company's solutions; changes in federal funding available to s



## Agenda

- Sales Pipeline Review
- Technology / Operations / Support
- Connect Product Demonstration
- Financial Update
- Q&A



Sales Pipeline Review

Gary Bunyard SVP, Sales



## Sales

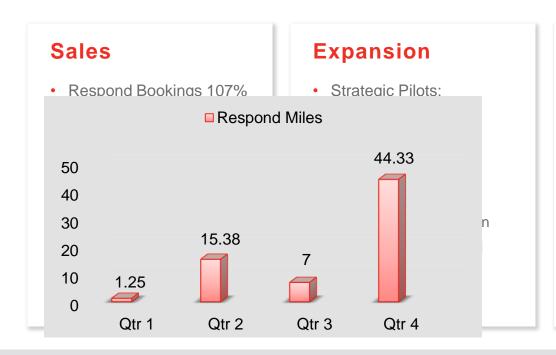
- Respond Bookings 107%
- 68 New Respond Miles
- 12 New Accounts
- Strategic Wins:
  - Detroit, MI
  - Harris County, TX
  - · Broward Co., FL
- 6 Tier 4 Accounts
- 9 Customer Expansions

## **Expansion**

- Strategic Pilots:
  - Houston PD
  - Ferguson PD
- Emerging Markets:
  - Retail
  - Shipping/Distribution
- Sales Pipeline \$66M

- Renewals 134% of plan
- Net Attrition: \$358,070
- Lost only 3 accounts





- Renewals 134% of plan
- Net Attrition: \$358,070
- Lost only 3 accounts



## Sales

- Respond Bookings 107%
- 68 New Respond Miles
- 12 New Accounts
- Strategic Wins:
  - Detroit, MI
  - Harris County, TX
  - · Broward Co., FL
- 6 Tier 4 Accounts
- 9 Customer Expansions

## **Expansion**

- Strategic Pilots:
  - Houston PD
  - Ferguson PD
- Emerging Markets:
  - Retail
  - Shipping/Distribution
- Sales Pipeline \$66M

- Renewals 134% of plan
- Net Attrition: \$358,070
- Lost only 3 accounts



## **Expansion** Sales Respond Bookings 107% Strategic Pilots: 68 New Respond Miles Houston PD Ferguson PD 12 New Accounts Strategic Wins: Detroit, MI ΤX Harris County, TX Broward Co., FL 6 Tier 4 Accounts 9 Customer Expansions

- Renewals 134% of plan
- Net Attrition: \$358,070
- Lost only 3 accounts

### Sales

- Respond Bookings 107%
- 68 New Respond Miles
- 12 New Accounts
- Strategic Wins:
  - Detroit, MI
  - Harris County, TX
  - · Broward Co., FL
- 6 Tier 4 Accounts
- 9 Customer Expansions

### **Future**

- Strategic Pilots:
  - Houston PD
  - Ferguson PD
- Emerging Markets:
  - Retail
  - Shipping/Distribution
- Sales Pipeline \$66M

- Renewals 134% of plan
- Net Attrition: \$358,070
- Lost only 3 accounts

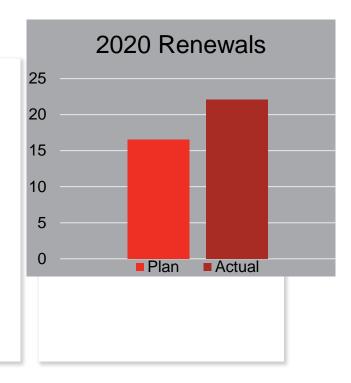


## Sales

- Respond Bookings 107%
- 68 New Respond Miles
- 12 New Accounts
- Strategic Wins:
  - Detroit, MI
  - Harris County, TX
  - · Broward Co., FL
- 6 Tier 4 Accounts
- 9 Customer Expansions

## **Expansion**

- Strategic Pilots:
  - Houston PD
  - Ferguson PD
- Emerging Markets:
  - Retail
  - Shipping/Distribution
- Sales Pipeline \$66M





### ShotSpotter

## 2021 Sales Objectives

### 2021 - Sales Objectives

·	2021
Sales Objectives	Annual Plan
New Respond Miles:	90
Standard Respond	80
Tier 4 Respond	10
New Respond Bookings	\$6,823,000
Respond, Connect & Security Renewals	\$33,599,511
New Security Bookings	\$600,000
New Connect Bookings	\$800,000
Investigate	

### **Market Forces**

- COVID Pandemic
- Devastated City/Police budgets
- Travel/Visitor Restrictions
- Leadership Changes
- Growing Gun Violence
- Far-Left Ideologies
- Anti-Police Community Activists
- Growing Civilian Oversight
- American Recovery Act
- Recent Active Shooter Events
- Staffing Shortages



## Transforming ShotSpotter Sales:

# End-to-End Precision Policing Provider





## Respond

- · Get cops to gun crime scenes faster and more precisely
- · Improved evidence recovery and witness interviews
- Saves lives (time is tissue)



## Investigate

- · Link analysis connect people, place and property to improve solvability
- · Collaboration tools speed up investigation progress
- Reporting identifies cases that need attention

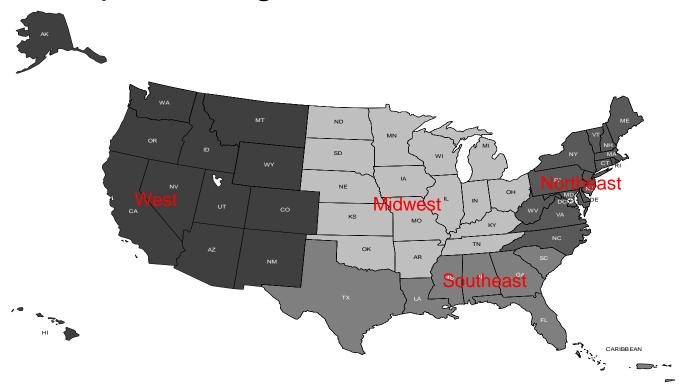


## 

- Proactive patrol management
- Controls to limit over-policing
- · Insight into officer activity
- Community protections to mitigate implicit bias

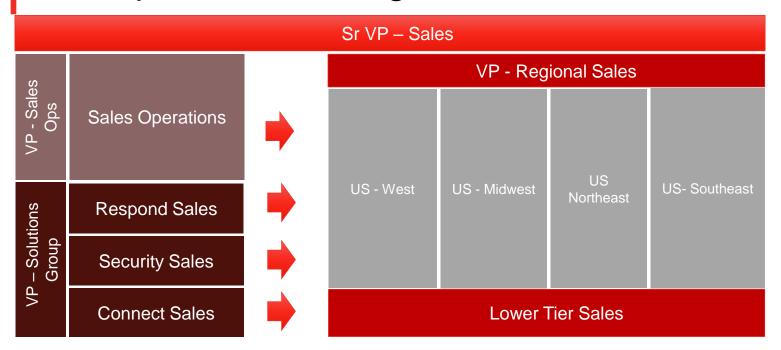


## ShotSpotter Regional Sale Model



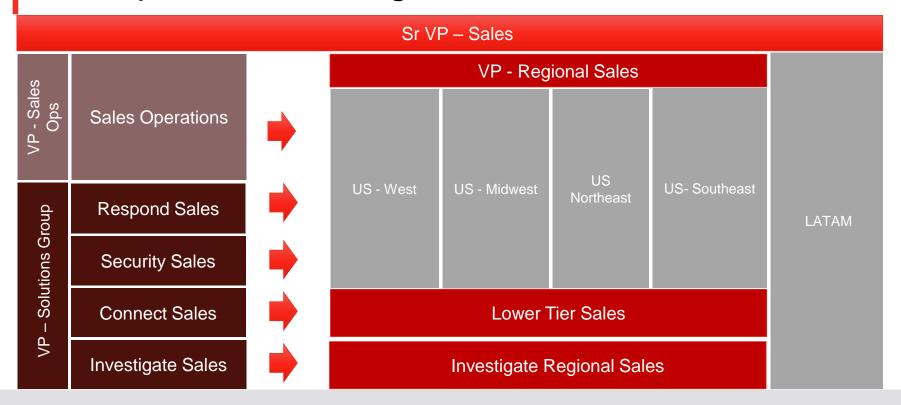


## ShotSpotter Sales Organization – 2021 expansion





## ShotSpotter Sales Organization – 2021 expansion





## Optimizing ShotSpotter Sales:

# End-to-End Precision Policing Provider





## Respond

#### Priorities:

- **Grant Writing Assistance**
- American Rescue Plan Act
- Tier 4 Agencies
- New Security Markets



## Investigate

#### Priorities:

- **Establish Pilot Customers**
- **Develop Sales Pipeline**
- Develop Sales Collateral
- Formalize Diagnostic Process



## 

#### Priorities:

- Customer Successes
- **Customer Testimonials**
- Community Education
- **Expanded Market Outreach**



## **US Domestic - Respond**

269 Opportunities \$50.1M 633 Miles

### **HIGHLIGHTS**

#### SALES PIPELINE METRICS

- Robust
- 9 Deals in negotiations

#### PILOTS

- Houston PD
- Ferguson PD

#### FOCUS

- Tier 4/5
- Texas
- Tier 1 Cities
- Major Counties

# **US Domestic - Security**



#### **HIGHLIGHTS**

SALES PIPELINE METRICS

Growing/Diversifying

PILOTS

pending

#### FOCUS

- State Capitols
- Retail/Corporate
- Freeways
- Transportation/Distribution
- Colleges/Universities

## **US Domestic - Connect**



### **HIGHLIGHTS**

SALES PIPELINE METRICS

Developmental stage

#### PILOTS

- Bakersfield, CA
- · Camden Co., NJ

#### FOCUS

- ShotSpotter Base
- New customers Q2 '21

## LATAM/Caribbean - Respond

13 Opportunities \$6.4M 41.1 Miles

### HIGHLIGHTS

Sales Pipeline Metrics

Developmental stage

Pilots

pending

Focus

- Mexico
- Brazil
- Columbia
- Caribbean Nations

## **US Domestic - Investigate**



### **HIGHLIGHTS**

Sales Pipeline Metrics

Developmental stage

#### Pilots

- 1 existing customer
- 1 new customer

#### Focus

- Respond base 2H '21
- Local Law Enforcement
- Federal
- State

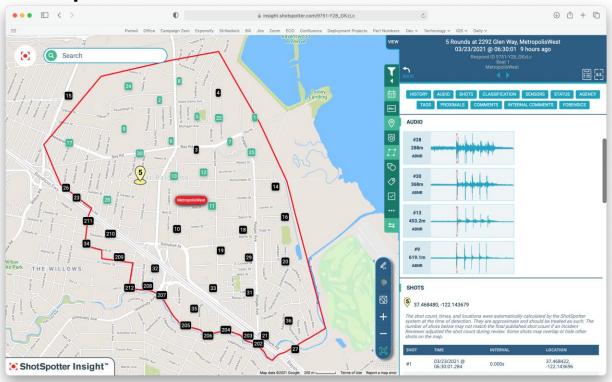


# **Technology**

Paul Ames, SVP Technology Dr. Simen Oestmo, Data Scientist



## **How Respond Works**





# Driving Up Performance

- Cross functional analysis of our incident database drove a rewrite of some core location algorithms
- One goal was to reduce the number of incidents created with mathematically consistent but distant coincident pulses
- Another goal was to incorporate more pulses from mid distance sensors that report more accurate propagation times
- Key algorithm changes included pulse set selection that considers sensor location and a shift to prefer accuracy over a small reduction in speed
- Running old and new algorithms in parallel showed consistently better performance
- System wide rollout August 2020



Yellow: old algorithms; blue: new algorithms Location difference < 20 meters

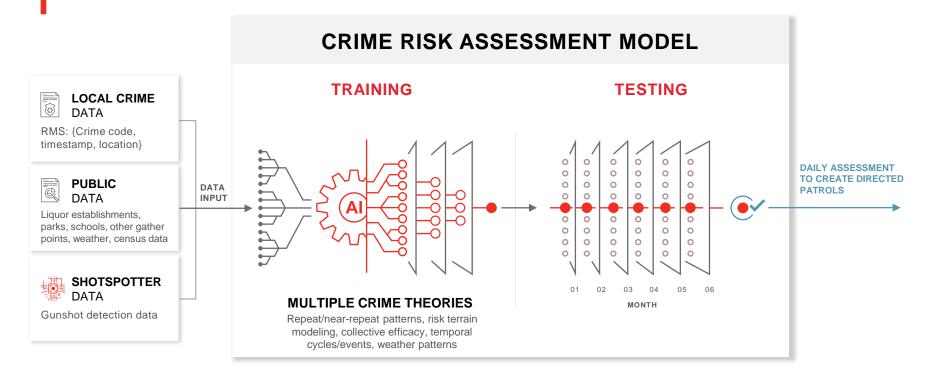


# Driving Up Performance

- Using ground truth reported by agencies we calculate human reviewer on-thejob KPIs
- We are developing a human reviewer training service that facilitates both reviewer onboarding and generates training KPIs
- Peer review, the process of requesting a real-time second opinion of a classification decision will consider both on-the-job and training KPIs when making the reviewer assignment



## **How Connect Works**





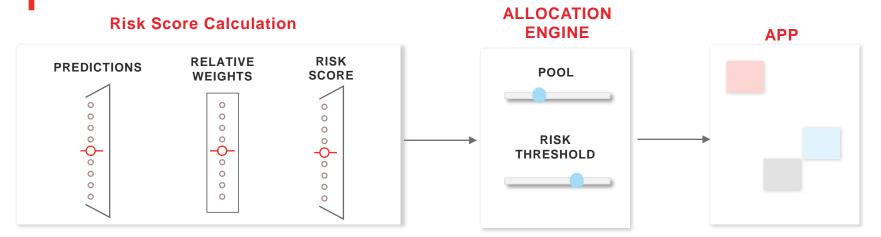
# Connect Bias Mitigation: Model and Data

MODEL	BIAS
-------	------

COMMUNITY FIRST PATROL MANAGEMENT	Directs patrols to areas of highest risk of crime during each shift	<ul> <li>Bias Mitigation:</li> <li>Uses Part 1 crimes</li> <li>Considers multiple crime theories</li> <li>Uses <i>Allocation Engine</i> to increase fairness</li> <li>Objective data source: ShotSpotter Gunfire</li> </ul>
PREDICTIVE POLICING	Uses historical data of crime events to predict where future crimes may occur	Spatial Bias:  Nothing countering spatial bias and police oversaturation / looping
HOT-SPOT POLICING	Using clusters of past crimes to determine what areas police should patrol	Spatial Bias:  • Uses discovered crimes → Looping and over-policing
"GUT BASED" POLICING	The officers "knows" where the crime happens	Officer Subjective  • Huge potential for bias, looping, over-policing.  • No transparency



## Connect Bias Mitigation: Allocation Engine

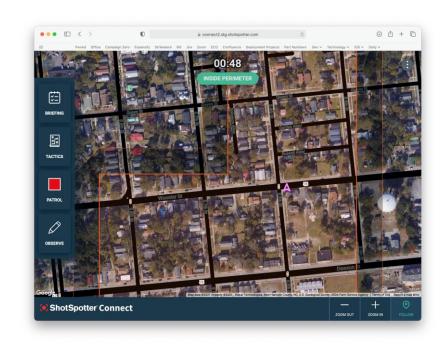


## Goal of allocation engine:

- Use Risk Scores that consist of cost of crime values in addition to the prediction of a crime occurring
- Consider all areas with risk above a set threshold and randomizes patrol assignments among those areas to avoid over-saturation / looping of any particular area during a shift
- Spread patrol boxes among a range of high-risk areas helps reduce the policing gap increasing fairness in policing

## Connect What's Next?

- Launch mobile app with a consistent, ShotSpotter platform user experience
- Report on efficacy, starting with impact on crime, but consider some measure of community health and police trust
- Continued focus on accountability within Connect: where are patrol officers during uncommitted time and what are they doing?
- Look for more ways to improve risk assessment model transparency above and beyond Modeling Policy and Citizen's Guide
- Incorporate community concerns to create proactive patrols to get out ahead of crime







# Operations

Service Implementation & Assurance

Joe Hawkins SVP, Operations

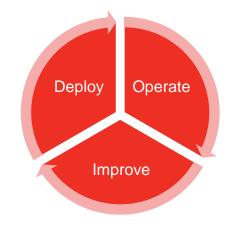


# **Operations Mission**

Operations is in the <u>service</u> and <u>relationships</u> business, focused on delighting customers and driving profitable business growth.

We ensure the service our customers want and pay for works as promised... or better

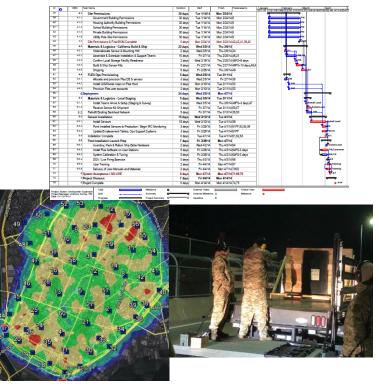
- Lead The Company's Project Teams In Designing, Configuring And Deploying New **ShotSpotter Respond**, **SecureCampus**, **SiteSecure**, And **Connect** Service To Our Customers.
- Build, Install, Manage And Maintain The Acoustic Sensor Networks
  That Make ShotSpotter Work.
- Continuously Monitor And Evaluate Gunshot Location Service Performance And Make Changes To Improve Wherever Possible.





## **Project Management Overview**

- Plan, coordinate and lead all aspects of bringing new service to customers, from Contract execution to Service Activation
  - Primary customer contact during deployment project
  - Team leader (matrix management) internally
    - Network Services & Operations Engineering
    - Field Service & Logistics
    - Customer Success & Training
    - · Customer & Technical Support
  - Multiple, concurrent projects
- Unique to ShotSpotter Respond:
  - Design sensor arrays, select sites (emplacements) for sensors, secure "Permissions"
  - Plan and manage Live Fire Tests



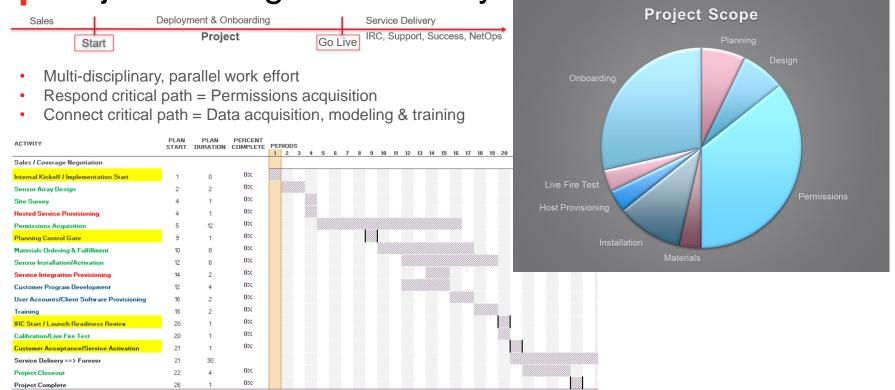


## Deployment Experience

- Six person team
  - 40 years collective ShotSpotter experience
  - 100+ years Project Management experience
  - Extensive backgrounds in network design, systems engineering, sales and public safety
  - Deep relationships with law enforcement
- ShotSpotter Respond™
  - 180+ projects, 275+ systems, 750+ square miles
  - Projects ranging 1 to 36 square miles
    - 15 projects >10 square miles
    - 35 projects between 5-10 square miles
    - · 35 projects between 3-5 square miles
    - 90+ projects 3 square miles or less
- SecureCampus™ & SiteSecure™
  - 11 college campuses up to 3.25 square miles
  - 1 freeway security network



Project Management Lifecycle





## Network and Field Operations

### **Network & Field Operations**

- Sensor installation and repair
- Sensor array & service performance monitoring, diagnostics and management
- Field service vendor relationship management
- Inventory and asset management
  - Over 18,000 sensors in the field covering 100+ cities
  - >5,000 new installs over next 12 months

## **Service Provisioning Engineering**

- SaaS service provisioning and configuration management
  - ShotSpotter Respond
  - ShotSpotter Connect
- ShotSpotter Connect Project Management



## **Operations Technology**

#### **Network Monitoring, Diagnostics & Performance**

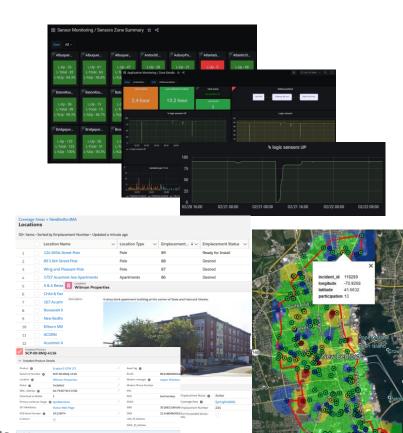
- Grafana/Prometheus® -- automated event monitoring and alerting
  - · System and Wide area threshold monitoring
  - Automated case creation for investigation & corrective action
  - · Trend analysis and time-based diagnostics dashboard
- Status sensor array and discrete sensor dashboard & diagnostics

#### ServiceMax<sup>™</sup>

- · Management of Sensors, Emplacements, Vendors and Technicians
  - · Site permissions tracking
  - · Installation and Field Service work order management
- · Complete, accurate asset lifecycle tracking on every "touch"
  - Manufacture → configure → install → service → RMA → EOL
- Foundation for Continuous Improvement Program
  - Systemic quality improvement → cost reduction → +profit/margins

### "Sapphire"

- Interactive, sensor array performance model using historical gunshot data
- Design assistant for new coverage areas based on comparables







Customer Support & Incident Review Center

Nasim Golzadeh SVP, Customer Support and Professional Services



### Customer Support and Professional Services







Incident Review Center (IRC)



### IRC Structure and Workflow

- Continuous Operations 24x7x365
- Decentralized Newark, CA and Washington, DC Offices
- Optimized Staffing Peak Time Concentration Modeling Based
- Highly Efficient Incident Review and Tier 1 Support



### Incident Review Process ~45 seconds or less

- Confidence-based Machine Classification
- Auditory Review Of Pulses
- Waveform Assessment
- Proximal Incident Recognition
- Sensor Participation Levels, Distance, Direction
- Date, Time, Location, Season Consideration
- Pattern of Activity in Each Area
- Peer Review
- Apply Appropriate Tags
- Classification





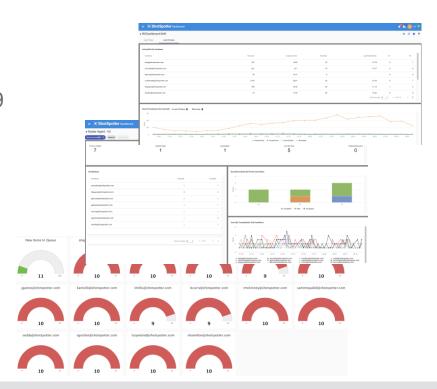
### Experience Curve - Competitive Advantage





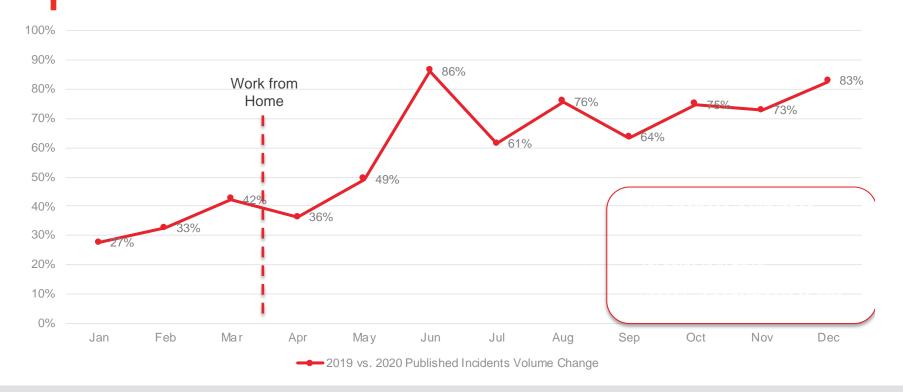
### Resilience Using Technology

- IRC Operating Remotely Since March 12, 2020 Due to COVID-19
  - Automated, Optimized Incident Prioritization and Distribution
  - Review Activity and Performance Monitoring Capabilities
  - Automated Peer Review Workflow
  - Incident flow Monitoring and Management
  - Effective use of channel-based messaging platform





### Performance and Scalability







# Customer Support



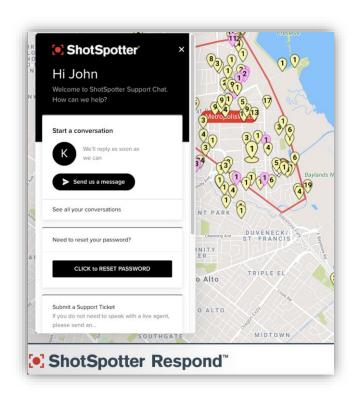
### **Customer Support**

Tier 1
(Basic Support)

- 24x4x365 Live Support
- Email, Chat, Phone
- 83% of Support Inquires resolved at Tier 1
- 99% First day resolution

Tier 2 (Advanced Support)

- Dedicated Tech to Customer Relationship
- Continuous Performance Analysis and Proactive Support
- 17% of Support Inquires escalate to Tier 2
- 93% under 7 days resolution



### **Proactive Support Model**

- Real-Time System
   Performance Monitoring tools
- Proactive, Continuous
   Detection/Location/Classificat
   ion Assessment
- Monthly Customer
   Performance Scorecards
- 92% of Customers Indicated Extremely Satisfied/Very Satisfied with ShotSpotter's Customer Service





Forensic Service & Litigation Support



### Forensic Reports and Services

- 70,000+ Investigative Lead Summary (ILS)
  - Accessible On Real-Time and On Demand Basis
  - Directly From Respond, Investigate
  - NEW: From Notification API (NAPI)
- 266 Detailed Forensic Report (DFR)
  - Human Generated and Court Admissible
- 18 Expert Witness Testimony
  - Delivered in Person and via Zoom







## Connect Product Demonstration

Wendy Ethridge
Director of Connect Solutions





### Financial Update

Alan Stewart CFO



### Overview

Annual subscriptionbased SaaS revenue Efficient sales and marketing

Low customer acquisition costs

High margin and low variable costs

Low customer attrition/churn

High revenue retention

Significant leverage in every operating expense category

Strong project unit economics

Break even in less than 1 year

#### RESULTS

GAAP Profitable on only a

\$10M

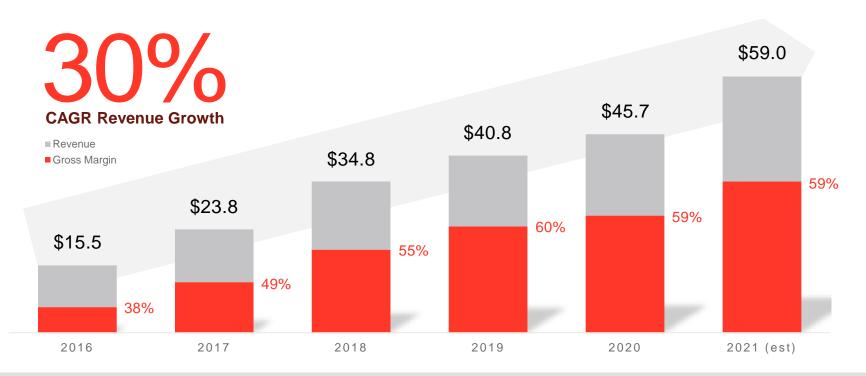
Goal of Cultivating 10+ Year Relationships



High Lifetime Value of a Customer



### Strong Revenue Growth & Operating Leverage





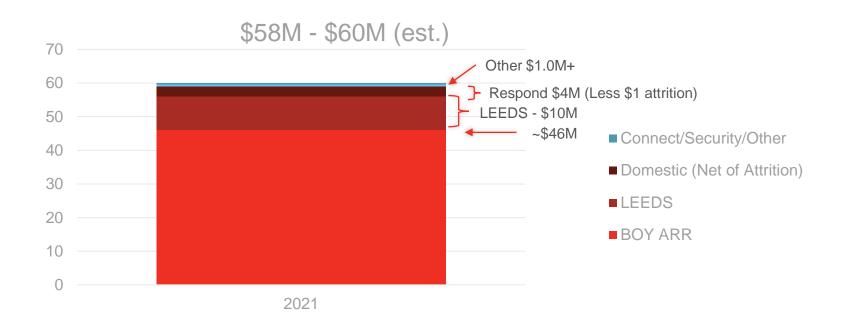
### **Attractive Customer Economics**



while achieving 1070/Revenue Retention



### 2021 Guidance Build





#### **PURPOSE**

### Environmental, Social, Governance (ESG) Significance



#### **Social**

Lives are protected by our gunshot detection products



#### **Environmental**

- In South Africa we cover an area of Kruger Park to help save Rhino's from poachers
- Blast Fishing project in S. East Asia (Malaysia) to help detect and protect the destruction of coral reefs from fish bombing



#### **DEI / Governance**

Diversity on Board & Exec Team

> 3 of 7 on Board 3 of 9 in Exec

#### Strong corporate governance

 no dual class stock, good hygiene from a governance perspective



#### Social

Transforming Law Enforcement/
Community Engagement



