



# 2019 Silicon Valley Risk Technology Forum

March 5-6, 2019

PLUG AND PLAY TECH CENTER  
SUNNYVALE, CA



# Marsh Digital Labs

Asha Vellaikal, Head of Marsh Digital Labs

# Marsh Digital Labs

Helping Marsh Clients Discover What is Possible

Solution engineers

Innovators

RISK &  
INSURANCE

CLIENT  
NEEDS

EMERGING  
TECH

Creators

Problem solvers



# Digital Labs



UI/UX STUDIO



DATA SCIENCE



AI + ML



BLOCKCHAIN



IoT



ROBOTICS



API SANDBOX

BIG DATA LAKE

MARSH DIGITAL CLOUD

Prototype Tools | Client Co-Ops | Test Kitchen | Open Source Framework.

# Innovation Funnel

## Emerging Tech & Business Innovation

Business Requests,  
New Product & Tech Ideas

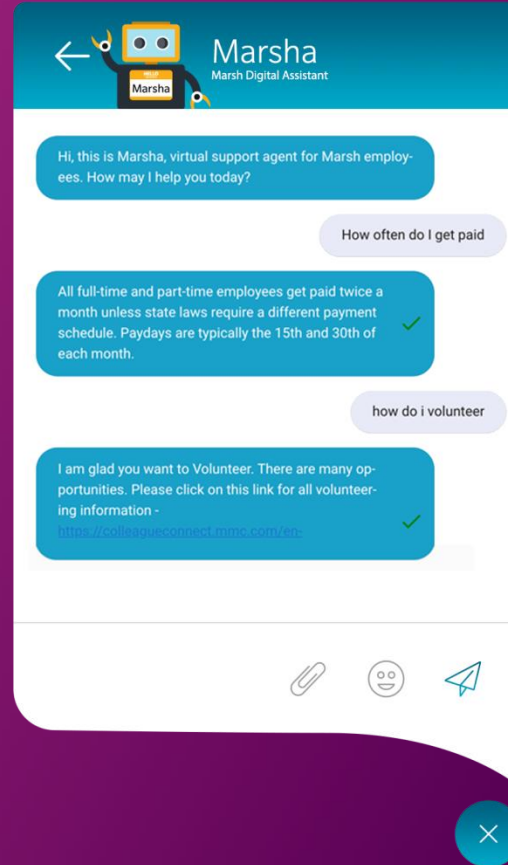
Experiments &  
Demos

PoC

Handed over to Product Teams for Full Development

# Current Internal Projects

Chatbots



#marshath<sup>⚡</sup>n



# Current External Projects



New Idea

**Real-Time  
Risk Management**



Experimentation

**Proof of Insurance  
Blockchain**



POC

**Analytics & Risk  
Models**



Product

**bluεstrεam**



## Connectivity

Drones

Wearables

GPS

Property Sensors

Satellite Imagery

Telematics



# Real-Time Risk Management

## Risk Management

Underwriting

Loss Prevention

Claims Management

Supply Chain



## AI

Vision

Planning

Reasoning

Language

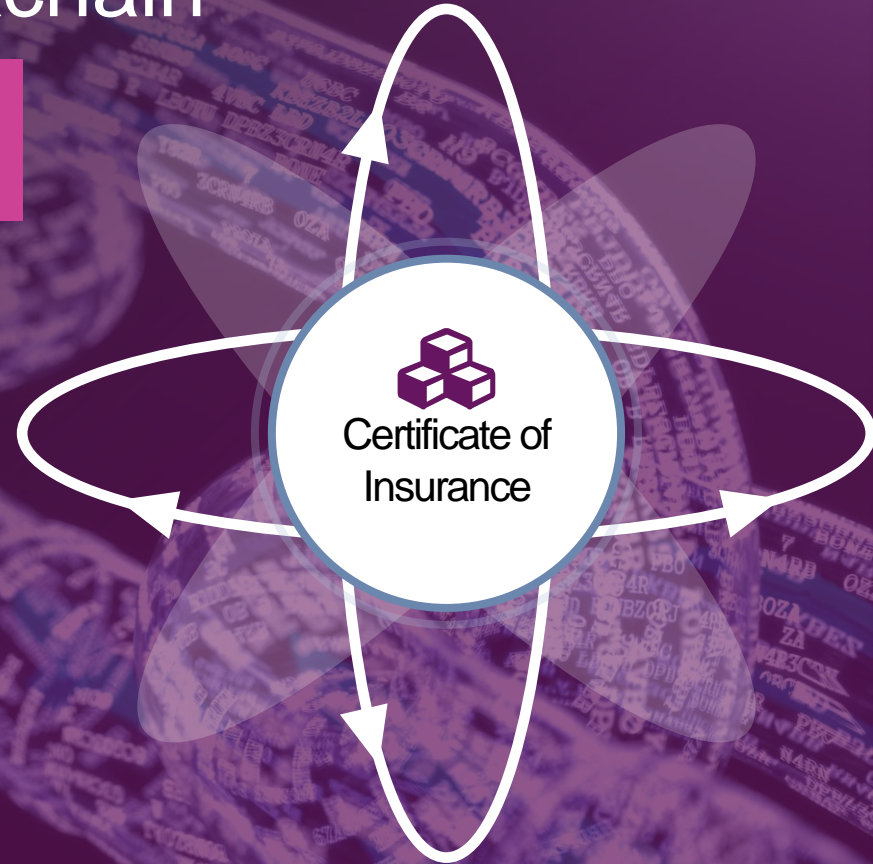




# Proof of Insurance Blockchain

**From complicated and fragmented to streamlined and transparent for all parties.**

- Digitizes certificate-of-insurance information into an immutable record
- All permissioned parties can instantly verify insurance information
- Records who requested the verification for full transparency.
- Notifies parties in real-time when a vendor's insurance has been changed or cancelled

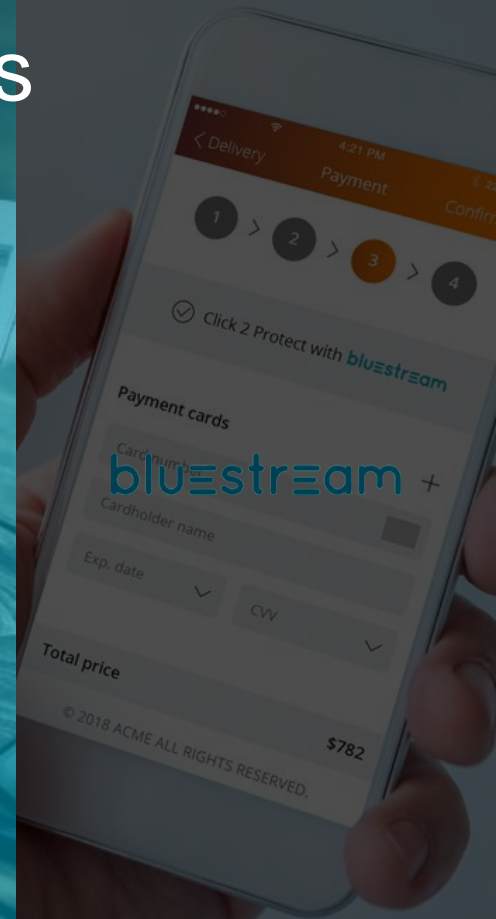


# Current External Projects

**Real-Time  
Risk Management**

**Proof of Insurance  
Blockchain**

POC  
**Analytics & Risk  
Models**





MARSH