

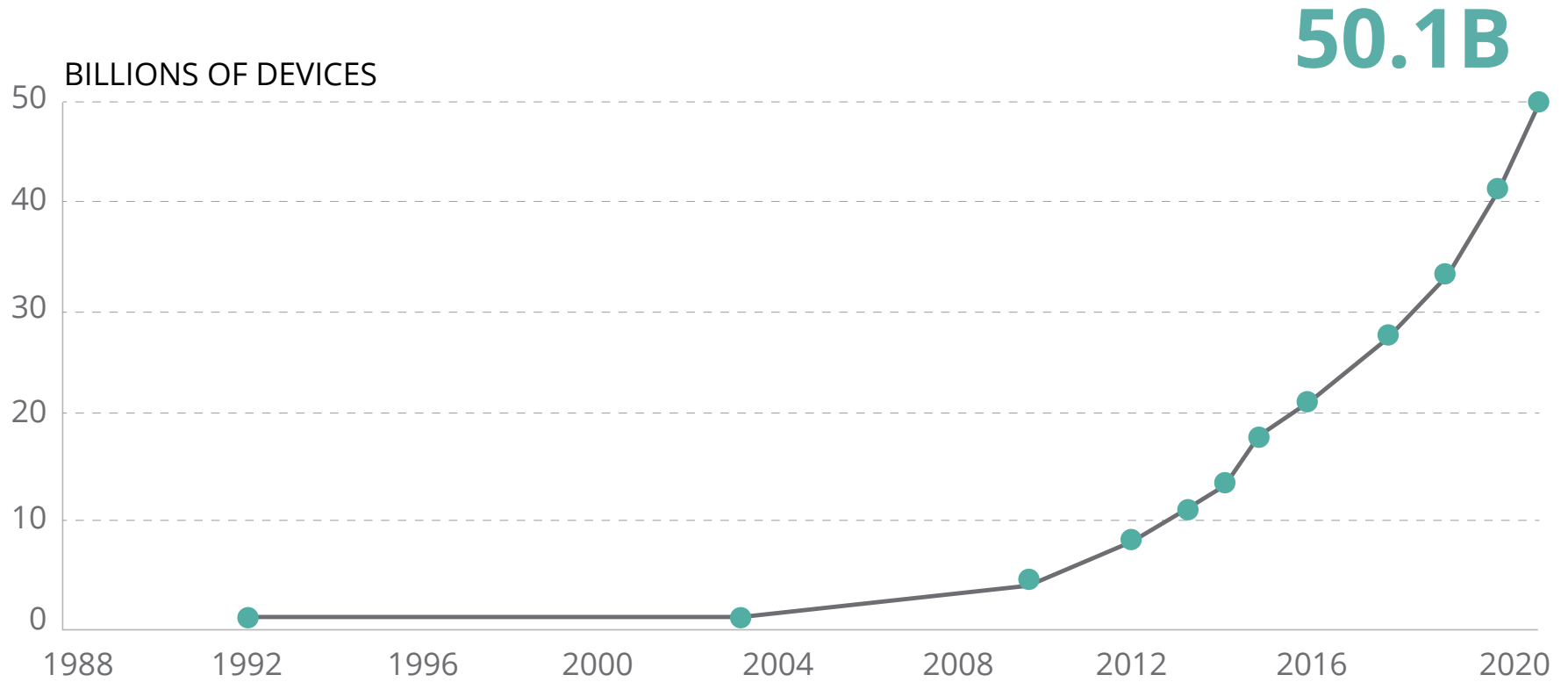
AUGMATE CONNECT

IOT DEVICE MANAGEMENT / MULTI-CHAIN DLT BRIDGE



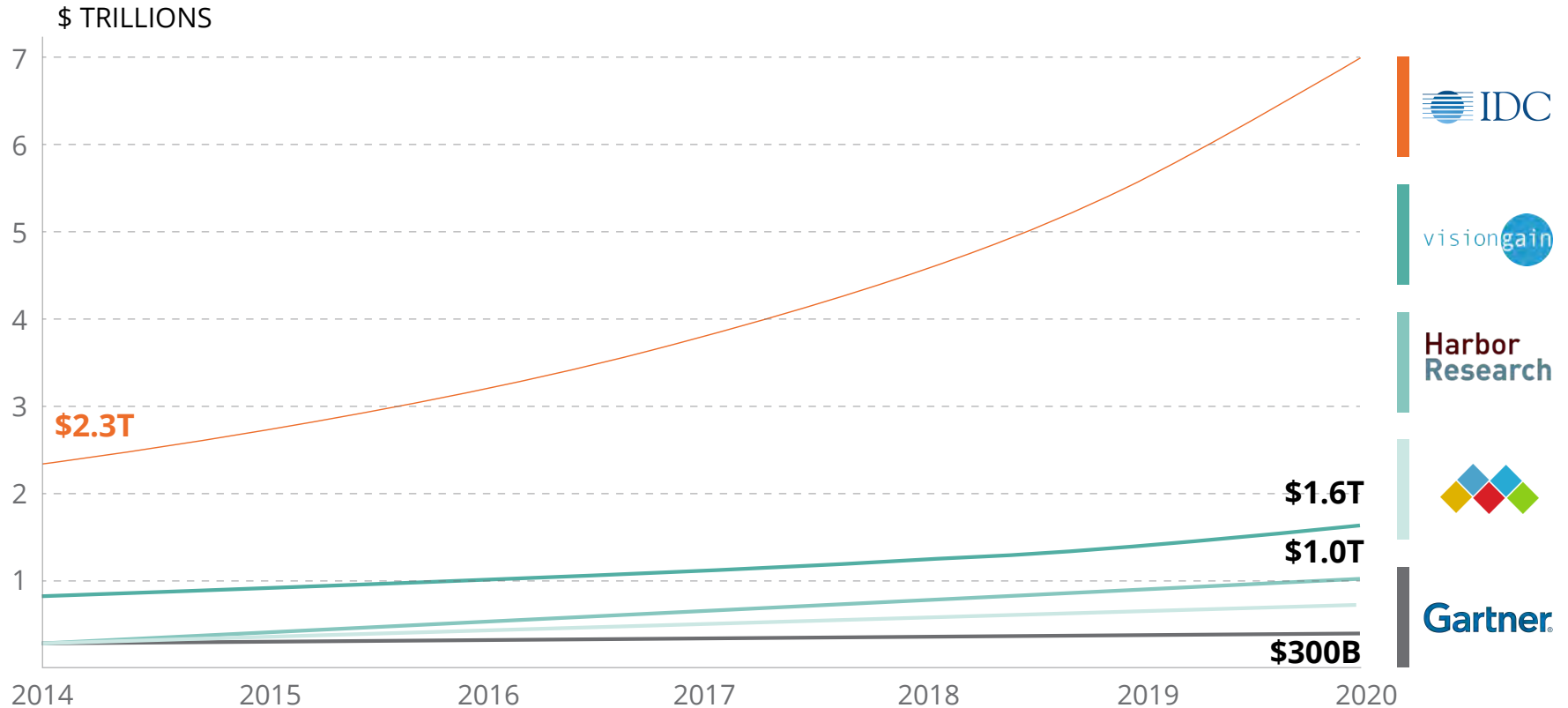
Augmate's mission is to be the world leader in IoT device management, empowering the next digital revolution.

IoT Devices by 2020



Source: Cisco

IoT Revenue by 2020 / Over \$7 Trillion



Defining the Problem



IoT Hacks in the News

"You call it internet of Things; I call it Internet of Threats. Three categories; cybercrime, espionage, and cyber terrorism. In the next coming years, EVERYTHING will be smart and connected"

—Eugene Kaspersky, CEO, Kaspersky Lab

2015

Jeep Hack / A team of researchers from IBM's SecurityIntelligence group were able to successfully take full remote control of a Jeep SUV.

were used as part of a botnet in large-scale network attacks. Devices affected: home routers, air-quality monitors, and personal surveillance cameras.

hacker to access a device's transmitter function.

2016

Mirai Botnet Attack / A malware that turned an estimated 600,000 devices into remotely controlled "bots" that

2017

St. Jude Cardiac Device Vulnerability Discovered /

St. Jude Medical discovered that implantable cardiac devices have vulnerabilities that could allow a

2017

Your TV May be Watching & Listening to You! /

CIA program Weeping Angel, which makes smart Samsung TVs look like they are turned off, but in fact they are not. The hack also allowed them to activate the TVs camera and mic.

The IoT Landscape

Connectivity: Symplo, ioBridge, ABRAYNT, electric imp, haystack, sensinode, ThingWorx, N NODE, EVERYTHING, bugswarm

Open Source Platforms: sense, spark, Nimbits, ThingSpeak

Software Platforms: sense, SmartThings, Withings, NINJABLOCKS, xively, TWINE, OSITO, zonoff

Sensor Networks: MESH SYSTEMS, SAFECAST

Enabling Networks: FreedomPop, SocialSign.in, Open Garden, SIGFOX

Corporates: IBM, LG, CISCO, Honeywell

Applications (Verticals)

Quantified Self Wearable Computing: GLASS, Pebble Fitness: Withings, amigo, fitbit, JAWBONE Health: BASIS, LUMO, HAPIfork, wahoo, NuMetrex Family: Lively, REST, Good Night Lamp, Withings, EVADO FILIP	Lifestyle Leisure: blossom, ICA kitchen, remee, Thimble, iGrill, HEMBRIGHT, sobi Pets: gibi, FITBARK Toys: sifteo, MakieLab, KAROTZ, greenGOOSE! Music: gtar Gardening: BITPONICS, plant link, Koubachi Home Improv.: radiator Labs, netatmo	Connected Home Home Automation: SmartThings, etek FIVE, NINJABLOCKS, revolv, Ubi, NODE, lapka, Wovyn, electric imp Energy Efficiency: knut, nest, we mo, ecabee, tado°, LIFX, belkin, micasaverde Security: Kwikset, ALARM.COM, Bosch, Lockitron, CANARY, HomeMonitor, iSmartAlarm	Industries Retail: Nomi, euclid, placemeter Healthcare: VISI MOBILE, AdhereTech, AliveCor, TELCARE, intelligent M Automotive: Dashlabs, SYNC, OpenXC, mojo, Microsoft, venture Smart Buildings: APOGEE, Johnson Controls, Schneider Electric	Industrial Internet Robotics: KIVA Systems, Double Robotics, Airware, ROBOTEX, 3D Robotics, MOMENTUM Greentech: BigBelly, Axeda, SOLAR, enlightened, GRID MOBILITY 3D Printing: Stratasys, MazzaMill, formlabs, shapeways, MakerBot INDUSTRIES, RepRap
New Interfaces NeuroSky, gestigon, sphera, PrimeSense, EQUISO, emotivo, Interaxon, LEAP				

Building Blocks

Connection Protocols nRF24, ZigBee, mitschen, RFID, NFC, WiFi, Bluetooth, M-BUS, MQTT, 2G, 3G, 4G	Telecom at&t, verizon, T-Mobile, boost	M2M JASPER, NEXENERGY, Telit, ERICSSON					
Software amazon web services, hadoop	Mobile iOS, Parse	Hardware spangore, ARDUINO, beagleboard.org, spark	Parts / Kits MAKEE MARKET, Tinkerforge, MOSORO, veeva mate	Services SCI, DRAGON EXPANSION, makeyy, TN, CIRCUIT LAB	Incubators BOLT, LEMNOS Labs, springboard	Funding KICKSTARTER, indiegogo	Distribution Anvil

Growing World of Connected Things



Home



Office



Factory

IoT Needs

According to the IEEE there is a growing need for IoT to have TIPPSS:

TRUST - Allow only designated people/services to have device or data access

IDENTITY - Validate identity of people services, and things

PRIVACY - Ensure devices, personal and sensitive data kept protected

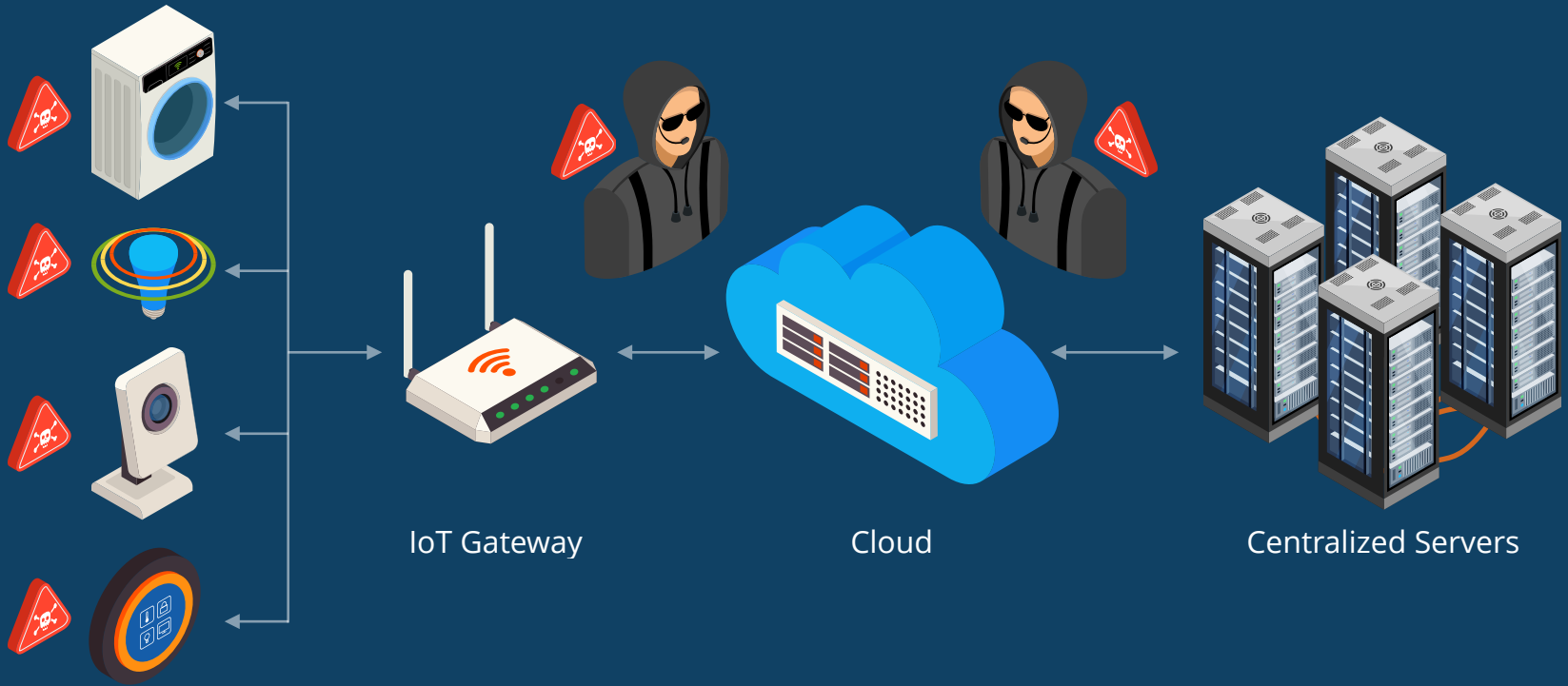
PROTECTION - Protect devices and users from harm - physical, financial, reputational

SAFETY - Provide safety for devices, infrastructure and people

SECURITY - Maintain security of data, devices, people, etc.



Centralized Architecture / Vulnerable Points of Access



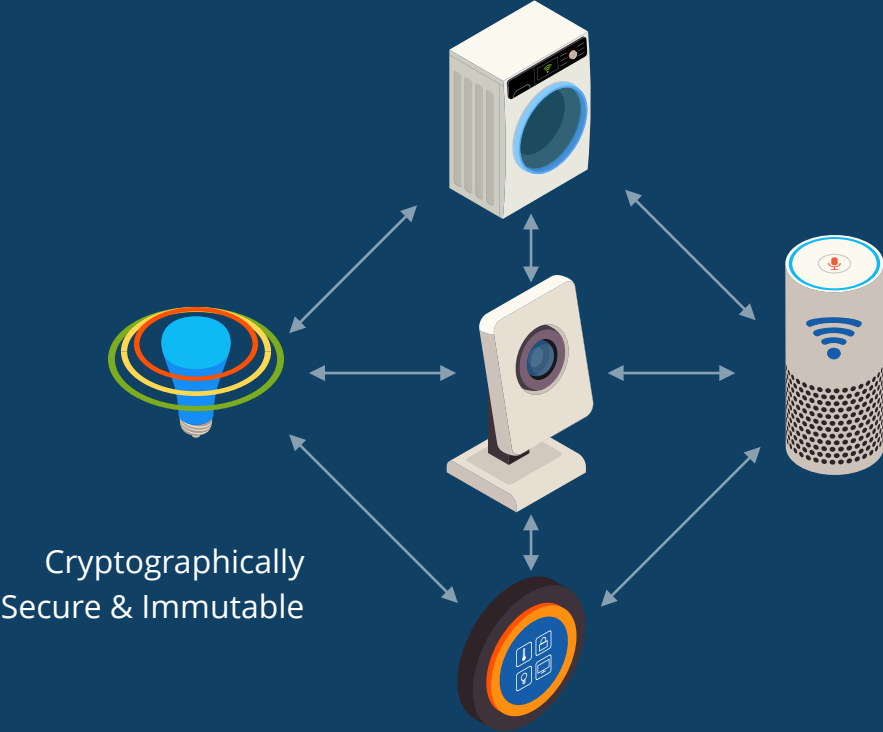


Lack of human-centered management tools

Our Solution



Decentralized Architecture



Benefits of Blockchain for IoT

- Oversight custodianship
- Distributing data volume issue
- Encryption, no human oversight
- Dynamic smart contract: trigger on conditions being met
- Interoperability between disparate devices
- Rapid device registration
- Authenticates users
- Post data securely
- Immutable provenance
- Eliminating single point of failure
- Eliminates DDoS attacks
- Blocks potential for malware to infect all devices

Protocol Agnostic



Human-to-Machine Policy

- Access to use device
- Where it can be used (geolocated)
- Information that can be accessed
- Applications allowed on device
- Permitted functionality
- Machine-to-human governance

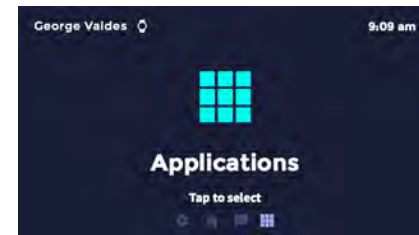
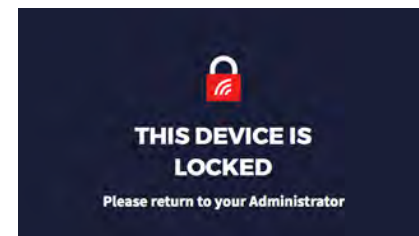
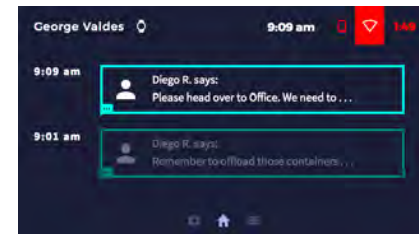


How it Works



Augmate Today

- Provision/sign device
- User & Use management
- Onboard & deploy software
- Software patch updating
- Device user experience



WEM smart glass app

Augmate Tomorrow

Augmate Connect

To keep up with the explosive growth of IoT, Augmate is leveraging its industry experience managing AR devices to build a world-class IoT device platform.



Augmate Connect / Features

- Expanded dashboard
- Device identity and discovery capabilities
- Fleet management
- User authentication
- Smart contracts
- Device meta-data that can be searched, grouped, and sorted
- Data visualization tools
- Decentralized tamper-proof ledgers
- IoT platform plugins
- Blockchain bridges (Ethereum and Tezos smart contracts)
- IoT health and efficiency insights
- End-to-end security layer (256 bit encryption between end-points)
- Algorithmic time keeping
- User management and digital twin data
- Automation and feature policies
- Sharable DApps (decentralized apps)
- Both M2M and M2H (Machine to Human) communication
- IoT devices firmware updates



Marketplace



Portal



MATE token



APPLICATION LAYER

PROTOCOL LAYER

APPLICATION LAYER

PROTOCOL LAYER



IoT Chain



FILAMENT



Atonomi 



Hdac Tech



Smart Contracts for Humans

Users are cryptographically signed to a third-party protocol's smart contract via a MATE token

Augmate / **Machine-to-Human**



Assurance that Frank is the one assigned with the provisioned AR glasses for picking and packing.



Assurance that Joe is the one assigned with the provisioned forklift for loading packages onto ship.



Assurance that Julie is the one assigned with the provisioned tablet for e-signing bill of lading.

3rd Party Protocol / **Machine-to-Machine**





I. Access & Authentication

Providing a mechanism of access and authentication to the Augmate Connect portal.

II. Transactional

Having access and authentication alone is not sufficient to garner the most benefit from the Augmate Connect ecosystem.

- Purchase and deploy applications that have been certified by both Augmate and the device manufacturer
- Purchase vetted services from third-party partners
- Mechanism for the developers community to earn
- Mechanism for Augmate users to earn loyalty points
- Mechanism for Augmate to cover the IoT blockchain fuel and fee costs

MATE™ Token / Creation

Pool A

Pool A of 30% of total MATEs created, in maximum 15 billion MATEs intended to be sold during an early Seed Round and Public Round.

Pool B

Pool B of 50%, 25 billion MATEs, managed by the Augmate Foundation for:

- 35%: Rewards for users of the platform
- 15%: Marketing incentives to bring new users in and operating expenses of the Foundation

Pool C

Pool C of 20% of total MATEs created to early contributors and team members who have made early financial contributions and/or worked to develop the ideas, implementations and supporting structures of the Augmate Connect Project.

- Early Contributors will vest with the following schedule:
- 25% at SAFT conversion to tokens
- Remainder of 75% at even monthly increments over 3 years.

Future Use of Funding

30%

Build-up of engineering teams in San Francisco, Ukraine and Asia

20%

Accelerate global marketing and sales push, support positioning, awareness and penetration of target accounts

20%

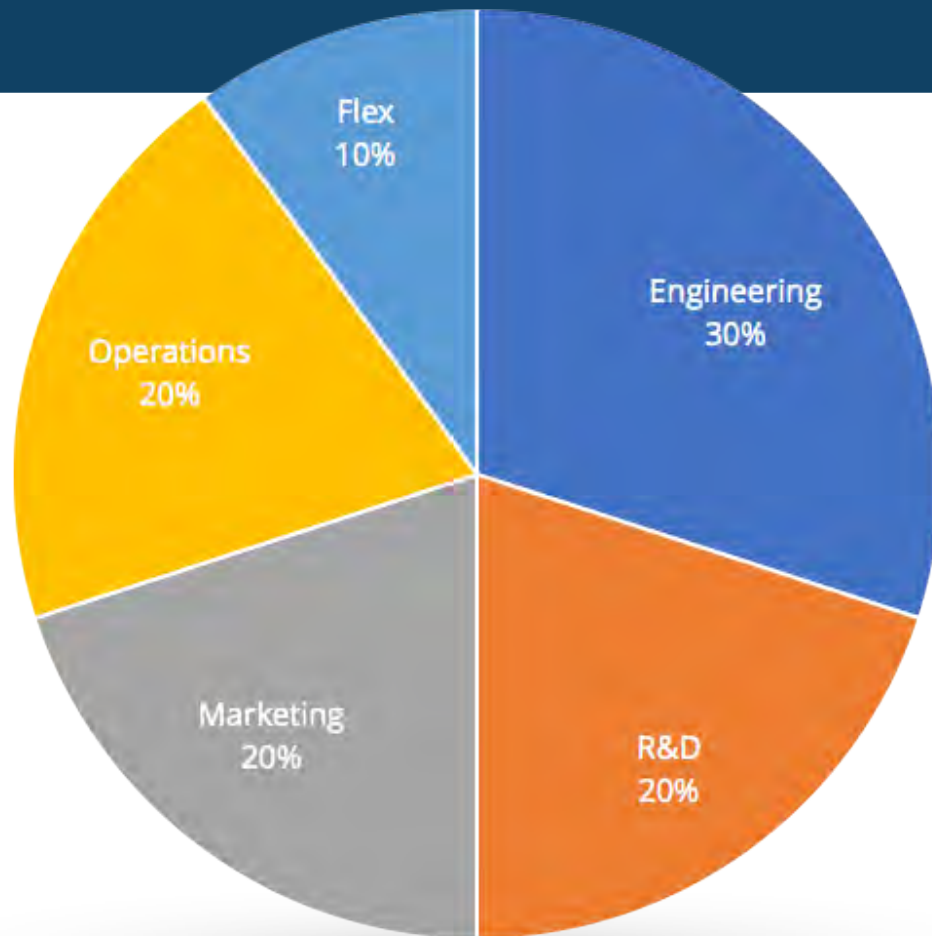
R&D, geared specifically for target industries including healthcare with the goal of creating interoperability systems

20%

Operations and management

10%

Contingency/Flex Funds for opportunistic and strategic needs



Timeline

2013

Augmate born

2014

- Google Glass Partner
- Pilot Program with Toyota

2015

- First Pilot with UPS
- US Patent for Wearable Device Management & Analytics

2016

- Wearable Environment Manager launches

2017

- Second
- Gartne
- Award
- IoT Exp
- Force
- IOTA C
- IOTA P
- MATE

Timeline

2017

- Second Pilot with UPS
- Gartner "Cool Vendor" Award
- IoT Expansion Task Force
- IOTA Connection
- IOTA Proof of Concept
- MATE Sale Launched

2018

- Augmate Connect
- Medical Device Lab; Middletown, NY
- Blockchain Center of Excellence; Monterrey, Mexico
- MATE token event completed (June)
- Augmate Connect - Proof of Concept
- Augmate Connect - MVP with open API
- Expansion of Blockchain Protocol Integrations
- Enterprise Pilots Moved into Production

2019

- Enterprise Expansion
- Consumer Gateway integration
- Consumer Roll Out

2020+

- Consumer Market Integration with API Strategy Realized
- Augmate Protocol

Market Leadership



Clients & Industry Partners



Early Seed Investors



SIEMENS



Press Coverage

readwrite



CRAIN'S
NEW YORK BUSINESS

FORTUNE

Forbes



**Bloomberg
Business**



Gartner Cool Vendor 2017
in Enterprise Wearable
and Immersive Technologies



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Thank you!

