

Rubicon Technologies, Inc.

INVESTOR PRESENTATION OCTOBER 2022

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Executive Summary

Investment Highlights

Massive addressable market in a fragmented industry ripe for innovation **06.** First-mover advantage in a self-created market, with deep, protected moats

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Digital infrastructure model with robusttechnology product development pipeline

08. Environmental & sustainability proposition

04. Scal

Scaled platform with 8,000+ customers, > \$500M revenue

Proven customer acquisition and wallet

share expansion strategies, with robust

client base of marguee companies and

09. Path to profitability at scale

Robust M&A pipeline with proven synergyextraction playbook

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municipalities

02.

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05.

Long-term topline visibility with multiple contractual, recurring revenue streams and 100%+ revenue net retention ⁽¹⁾

Capital-light and efficient operating model

supports continued attractive growth



Who is Rubicon?

Rubicon is the Digital Challenger to the Status Quo in Waste & Recycling

Digital Cloud-Based No Trucks No Landfills Rubicon is a software platform that arranges and fulfills waste and recycling services for businesses and governments

We provide cost containment, tax-payer savings, and sustainable outcomes through long-term contracts

The data we aggregate on our platform offers a single source of truth to drive the circular economy



Waste & Recycling is a Massive Market

MASSIVE AND GLOBAL



5.3% CAGR 2020-2027E⁽¹⁾

\$208B North American Waste Management Market⁽²⁾

COMPLETELY NONCYCLICAL



4.9% Blended "Big 3" Revenue CAGR 2001-2021A⁽³⁾

\$156B "Big 3" Aggregate Revenues 2017-2021A⁽³⁾ HIGHLY FRAGMENTED



85% Of Market Comprised of non-Big 3 Haulers⁽²⁾⁽³⁾

\$177B

Annual Revenue to Non-Big-3 Haulers in North America⁽²⁾⁽³⁾

Allied Market Research
FactSet as of 7/19/2022

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Old World Approach to Waste Management

Little has changed since the late 18th century; the industry is ripe for disruption

Asset heavy, landfill-based model **makes** ~50% of EBITDA on frequency and tonnage disposed in the landfill

Landfill incentives outweigh recycling incentives Example: Waste Management's recycling rate of 13% is approximately half the industry average

Disjointed, antiquated technology with no visibility into waste data

Lack of competition results in inflated pricing for all

Rubicon's Approach to Waste Management

Rubicon's Integrated waste management platform changes how we think about waste

Data-centric approach to waste management is powering sustainability for businesses and cities

Digital, cloud-based model's utilization of lower-cost resources results in more efficient use of growth capital

Rubicon monetizes commodities diverted from landfills, incentivizing recycling efforts and reducing total customer waste spend

Holistic audit of customer waste streams results in **increased** transparency and reduced costs

Rubicon's First Mover Advantage = Significant Scale & Capabilities

Rubicon unique service locations (North America)



All managed without owning trucks, landfills, recycling operations or containers

8,000+ Size of hauler network

8,000+

Customers across a variety of industries

8M+

Number of unique service locations

20+

Number of countries Rubicon currently operates in

50+ Patents awarded

Customer Base Anchored by Marquee Companies & Governments

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SELECT CUSTOMERS **RUBICON** Chick-fil-& BEST ELEVEN FedEx. Walmart 🔀 AT&T Connect[™] DOLLAR Yum! amazon WELLS FARGO TIFFANY&CO. sweetgreen GENERAL Wendy's 6 SUPPLY C Weqmans GOOD YEAR **CVS** pharmacy **BEYOND MEAT RUBICON** AN ANTONIC ÷. THECITYOF Asheville SmartCity[™] Houston, TX Santa Fe, NM Washington DC Asheville, NC Memphis, TN Baltimore, MD Columbus, OH Kansas City, MO San Antonio, TX & οdακγυ RUBICON DENTON Premier[™] Montgomery, AL Spokane, WA Hartford, CT Scranton, PA Denton, TX Roseville, CA Japan

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Rubicon's Proposition Enables Meaningful Business & Environmental Impact for its Clients

Rubicon was founded with a simple but powerful mission:

TO END WASTE

Rubicon has built a leading brand profile in a category that, until now, was viewed as a utility-like experience. Our culture, our campaigns, and our communications all speak directly to the next generation of decision-makers.



Rubicon Has Built a Leading Digital Platform for Waste & Recycling

Scalable digital marketplace connecting waste generators with haulers for the \$2.1T⁽¹⁾ waste and recycling industry

Software-centered product solutions transform the customer experience

Authentic, free-market **environmental proposition** to reduce emissions with end-to-end transparency. One of the first and now one of the largest **B Corps**⁽²⁾

Diverse, blue-chip customer base in business and government, all under **long-term contracts**

Experienced management team supported by seasoned investors and advisors









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Waste is One of the Few Remaining Industries on the Disruption Curve



Traditional Model - Offline



Reimagined Customer Experience

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Acutely positioned for disruption and more importantly - customer disintermediation

Model centered around real estate assets

Inability to adapt in digital world

Poor customer experience, excessive and hidden fees

Structured to ignore significant capacity from independents

Vulnerable to growing awareness of, and opposition to, landfill

Not structured to capture and monetize the wealth of data potentially at their disposal

Rubicon is a decade ahead of the sector and is actively disintermediating the incumbents to become the nexus between customer and hauler

Built on a foundation of technology / online buying Optimized logistics Consumer-centric approach Business revolves around users Data-driven Ability to expand into adjacent markets

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Forbes

"... if the other guys (Waste Management and Republic) can get to \$50 billion, I don't see why Rubicon can't..."

Marc Benioff

CEO, Salesforce (Rubicon Investor) salesforce

Reimagining the Product Experience for Waste & Recycling

The Operating System for the Waste & Recycling Industry

Using technology to enable product solutions for business and government that **unlock economic value** and **reduce environmental liabilities**

RUBICONConnect[™]

Commercial Waste Generators

Solutions that unlock the economic and environmental value of their waste

RUBICONPremier™ International Applications

A 3PL solution that integrates vehicle tracking and confirmations directly into back-office operations

Combines proprietary **technology expertise** and deep waste and recycling **industry knowledge**



RUBICONSmartCity[™] Cities & Residential Waste

A data collection platform using the latest in telematics and computer vision technology to deliver better public services

RUBICONPro[™] Haulers

IoT solutions that provide haulers a wealth of tools and capabilities to help them efficiently manage their business

Rubicon Has Built a Highly Connected Digital Ecosystem for All Constituents in Waste and Recycling



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17 RUBICONConnect[™] Disrupts Legacy Solutions by Offering a Digital Ecosystem with a Differentiated Customer Experience for All Constituents in the Supply Chain

AGGREGATING DEMAND THROUGH A DIFFERENTIATED CUSTOMER EXPERIENCE

- Immediately available real-time guotes for 150+ categories of waste and commodities
- Global service capabilities
- Supplier redundancy in almost every US market
- Offers digital oversight and environmental performance transparency
- Modernizing procurement with integrated 3PL platform





DIGITAL ONE-STOP SHOP

COST MINIMIZATION





VERIFIED ENVIRONMENTAL & SUSTAINABILITY REPORTING



FMS / WMS INTEGRATIONS



BILL AUDITING & PAYMENTS





CURATED SUPPLIER NETWORK WITH BROAD CAPABILITIES

- 8,000+ approved vendors bid on jobs digitally to be selected by Rubicon - expanding customer base and revenues
- Jobs are routed intelligently to maximize route density and efficiency
- Modernizing a fragmented industry, streamlining prospecting and back-office functions
- AI tech-enabled ecosystem facilitates greater program compliance and improved customer satisfaction













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Rubicon's Value Proposition for Clients / Waste Generators

Rubicon's platform addresses the most salient customer frustrations with traditional solutions



Dedicated solutions SMEs

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Rubicon's Value Proposition for Haulers & Recyclers

Rubicon's platform streamlines operations for smaller independent waste vendors by offering:

ACCESS TO CUSTOMERS AND VOLUME	SMART ROUTING	DISCOUNTS
Local access to national chains that would have otherwise been unattainable	Optimized routing	Aggregates local hauler buying power to save on:
	Increased route density from AI powered	
	job allocation, improving efficiency	Fuel Equipment
		Parts
		Smartphones Insurance
	Local access to national chains that	Local access to national chains that would have otherwise been unattainable Effective reseller channel for local infill







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Legacy Waste Broker Acquisitions Add Immediate Value to Our Digital Marketplace

How We Transform Acquired Books of Business



- **Order Flow & Back Office Digitization**
- Streamlined pricing, job bidding and routing
- Simplified 3PL solutions for customers
- Back-office automation

Bo Bo Bo Bo

Revenue & SG&A Synergies

- Easy to use platform drives cross-selling and increases wallet-share
- Streamlining of manual processes allows for elimination of redundant personnel



AI & Machine Learning

- Legacy data on pricing, service detail, customers, and market dynamics makes the platform more intelligent
- Intelligent pricing optimized for hauler's fleet and route

Synergy Track Record





Rubicon acquired Charter Waste Management that operates through its subsidiary RiverRoad Waste Solutions +20%

(32%)



RUBICONSmartCity[™]

Award-winning IoT solution helps city governments deliver more efficient, effective, and sustainable public services, becoming the operating system for citywide infrastructure management







Data Generation

Digital platform gathering data on routes, infrastructure, management of waste, and collection vehicles performance

Communication Platform

Drivers and supervisors can communicate back and forth on issues in the field

Real Time Analytics

Showcase to the city real time route updates, daily reporting, operational insights, and service confirmation

Image Recognition Models

Machine learning model that recognizes recyclable material and critical infrastructure issues



Taxpayer Savings



Recycling Improvements



Quality of Life Gains



Deployed in more than 70 cities to help achieve

"Zero Waste" & Taxpayer Savings

Case Studies on RUBICONSmartCity[™]



Kansas City, Missouri

In October 2019, Rubicon and the city of Kansas City, MO signed a 3-year contract worth ~\$1M

- 80 vehicles (solid waste only) & 160,000 unique service locations
- Drivers have registered more than 17,000 exceptions since installation
- ~\$2 million dollars in documented taxpayer savings since installation
- Nearly 20% increase in customer satisfaction with solid waste services since installation
- City expanded contract in October 2021 to include 300 snow removal vehicles, worth an additional ~\$350k



Montgomery, Alabama

In March 2018, a 6-month pilot in the city of Montgomery, AL converted to a 3-year paying contract worth ~\$750k

- 80 sanitation vehicles servicing 67,500 residential and commercial customers
- During the pilot period drivers documented over 57,000 issues along their routes
- This equipped city employees with the information they needed when investigating citizen inquiries and complaints
- ~\$375k tax-payer savings per year post Rubicon route efficiency recommendation

RUBICONPremier[™]

Rubicon licenses the breadth of its customer-facing, back-office, and integrated fleet technology as an annual software subscription to other environmental companies internationally



Single application with different views for customers, service providers and back-office staff, including:

- Customer management
- Contract and price management
- Dispatch management
- Resource management
- Sub-contractor management
- Billing and invoice management

Integrates vehicle tracking and service confirmation directly into back-office

 $TAM = $6B^{(1)}$

Leading European Hauler

Leading developer of transport infrastructure and urban services, with over 96,000 employees in more than 25 countries

23% Decrease in idle time

39%

Increase in productivity through IoT fleet solutions

Financial Overview



Rubicon's Revenue Model

- Volume-based services transacted over the platform, all under long-term contracts
- Commodities transacted over the platform, all under long-term contracts
- Subscription software revenue for access to Rubicon's platform









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Strong Alignment of Financial Incentives Drives High Customer Retention

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 Adjusted Gross Profit is a non-GAAP measure. See the introduction to this presentation for a discussion of non-GAAP measures and the appendix for a reconciliation of historical amounts to gross profit, the most directly-comparable GAAP measure. Adjusted Gross Profit Margin is calculated as Adjusted Gross Profit divided by Revenue.
Customer net savings calculated against incumbent service provider total cost baseline versus at the end of the first contract term, typically three years. Savings estimated

- Revenue net retention is calculated on an annualized basis as the percentage of prior period revenue retained from existing customers within the period, inclusive of customer churn, as well as revenue expansion or contraction within an existing customer account.
- 4. Customer lifetime estimated based on the inverse of historical annualized customer revenue churn rates

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by management based on a \$10 million revenue customer and Rubicon average internal operating key performance indicators.

Established Track Record of Gaining Customer Wallet-Share

REVENUE GROWTH FROM SELECTED CUSTOMERS

Annual Revenue (\$ in thousands)

National Convenience Chain



Global Logistics





Fast Casual Dining



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Appendix



Reconciliation of Non-GAAP Financials

(\$ in millions)	2018A	2019A	2020A	2021A
Gross Profit (GAAP)	\$6.6	\$15.9	\$20.6	\$21.4
Amortization & Depreciation for Revenue Generating Activities	1.1	1.6	1.8	2.9
Platform Support Costs	14.1	17.3	19.8	22.6
Adjusted Gross Profit (Non-GAAP) ⁽¹⁾	\$21.9	\$34.8	\$42.3	\$46.9
Gross Profit Margin	1.8%	3.1%	3.8%	3.7%
Adjusted Gross Profit Margin ⁽²⁾	6.1%	6.8%	7.8%	8.0%

(\$ in millions)	2018A	2019A	2020A	2021A
Net Income (GAAP)	(\$70.8)	(\$60.4)	(\$58.6)	(\$73.2)
Income Tax Expense / (Benefit)	0.2	(0.4)	(1.5)	(1.7)
Other Expense / (Income)	0.9	0.6	0.4	(9.2)
Interest Expense / (Earned)	1.2	4.6	8.2	11.5
Depreciation & Amortization	4.2	6.4	6.5	7.1
Other Non-Cash Items	2.1	1.2	0.7	7.8
Adjusted EBITDA (Non-GAAP) ⁽¹⁾	(\$62.2)	(\$48.1)	(\$44.2)	(\$57.7)

Rubicon's World Class Leadership Aims to Create a Future without Waste

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