SIMPLI-FI AUTOMATION, INC.

Develop AI-powered medical diagnostic and human performance technologies using Breath Biomarkers

simplifiautomation.com Saint Paul, MN

Highlights

1. We have a commercialization license to develop the NASA Electronic Nose for human medical use.
2. NASA e-Nose technology has been clinically proven to detect Covid-19 using breath. (Standford/NASA)
3. We are currently manufacturing our commercial beta prototype for pre-clinical validation.
4. Our technology has been selected for the Defense Innovation Unit Military Health Readiness Platform.
5. We have support from Samsung Electronics for integrating our sensor in Samsung phones and wearables.
6. We have been selected by the Cleveland Clinic to study using our e-nose technology to detect C-Diff.
7. We have been selected by the Mayo Clinic and NFl Elite Athletic Training to study human performance.
8. Our team includes former vice presidents of 3M, Ford, Best Buy, Verizon, and Entegris Technologies.

Featured Investors

Brown Venture Group Follow Invested $440,000

Founded in 2018, Brown Venture Group is a venture capital investment firm based in Minneapolis, Minnesota. The firm prefers to invest in Black, Latino, and Native American technology startups.
brownventuregroup.com

Dr. Paul Campbell, Founder of Brown Venture Group

"Simpli-Fi Automation's leadership embodies the traits we look for in a successful team; experience, resilience, and the ability to execute. We have had the pleasure of investing two rounds of transformative capital into Simpli-Fi and have witnessed what happens when under-represented and under-resourced talent is empowered."

Olester Benson, Jr., PhD Follow Invested $50,000

Olester Benson, Jr. is a retired corporate scientist at 3M who specializes in developing environmentally friendly manufacturing processes. He has worked at the company's Corporate Research Process Laboratory since 1988, and has also served in the US Army

"The opportunity to invest in Simpli-Fi's technology transfer from NASA with a strong and clear line of sight of a broad application and product platform drew my attention. Backed by a sound technical team, allied integration partners, and research collaborators places Simpli-Fi in a leading position to have a significant positive impact in the remote healthcare diagnostic monitoring market."

Frank Taylor Follow — Invested $50,000

Frank Taylor is the former Vice President of materials planning and logistics at the Ford Motor Company. Mr. Taylor is currently a successful real estate and business investor.

"I am happy to lend my resources, experience, and guidance to this talented team."

Dr. Jevne Cunningham Follow — Invested $75,000

Dr. Cunninham is the former deputy director of the NanoES, the Institute for Nano-engineered Systems at the University of Washington. Jevne is also the founder of FlexForge, a chip manufacturer in the aerospace, automotive, and medical device industries.
flexforge-ev.com

"It is exciting to be involved in such a potentially transformative technology development project. This is a great example of the NASA Technology Transfer Office providing a substantial benefit to the American People. I love to see a small, minority-owned business taking such an innovative approach to the age-old problem of accessible and affordable healthcare."

William "DJ" Dozier Follow — Invested $75,000

William Henry "D.J." Dozier Jr. is an American former National Football League running back and Major League Baseball outfielder. Mr. Dozier is a noted business consultant with over 30 years of Business development experience.
sportsinnovationx.com

"When I invested in Simpli-Fi, it was because I believe that their technology can make a lasting impact. I invested in the ability to save and improve millions of lives."

Arlan Hamilton Follow — Invested $5,000
Syndicate Lead

arlanwashere.com

"Investing in Simpli-Fi's electronic nose breath biomarkers disease diagnostic technology is an investment in cutting-edge innovation and the future of healthcare. By harnessing the power of non-invasive breath analysis, this technology has the potential to revolutionize disease diagnosis, offering earlier detection, personalized treatment, and ultimately, saving lives. Supporting this groundbreaking technology means contributing to a healthier, more efficient, and more accessible healthcare landscape for individuals worldwide. It is exciting to us at Backstage that this is being led by a diverse, world class team."

Our Team

Chris Campbell Chief Executive Officer

Mr. Campbell has over two decades of management experience at some of the nation's largest electronic systems engineering firms. He has extensive experience in working with Federal Labs and Technology Transfer Offices.

Jerome Hamilton Chief Operating Officer

Mr. Hamelton is the former vice president of 3M Manufacturing. He also held the position of Senior Vice President of Global Operations of Stratasys. Mr. Hamelton served as CEO of Open Therapeutics.

Dr. timothy Campbell Chief Medical Information Officer

Mr. Campbell formerly as Clinical Service Quality Director for the Kaiser Permanente. He also previously served as Chief Nurse of Quality Management for the VANCHCS.

William Dozier Vice President-Business Development

Mr. Dozier has over 24 years of business development, marketing, and business strategy experience. Mr. Dozier is a former Pro athlete having played in both the NFL and the MLB.

Alex Ross Board Member

Executive sales and enablement leader energized by driving growth while creating an environment of vibrant people development. Proven ability to develop executive partnerships, build distribution, increase revenue growth, improve customer experience and m

Michael Wright Board Director

With over 30 years of cross-sector experience, Michael is a seasoned high-tech executive at scale and a visionary leader who guides technology innovation and convergence across industries. He is the CEO of Intercepting Horizons, a strategic foresight and

Amelia Hardey Board Member

Recognized as an insightful strategic thought leader and change agent. Approaches work with an equity lens that creates a culture of inclusion and a thriving collaborative environment. An end-to-end ideator that utilizes data and insights to make sense of

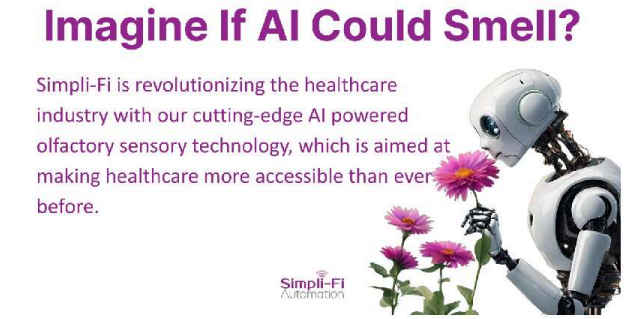
Johnny Cator Chief Information Officer

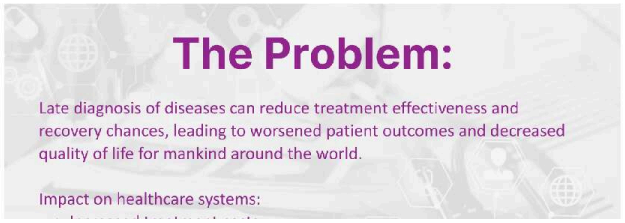
Experienced Chief Technology Officer with a demonstrated history of working in the health wellness and fitness industry. Skilled in Entrepreneurship, Customer Relationship Management (CRM), Strategic Partnerships, Team Building, and Tech Innovation.

Dr. Jevne Cunningham Chief Technical Officer

Dr. Cunninham has an MS in Engineering Mechanics from Cornell University and a PhD in Applied Physics from the University of Michigan-Ann Arbor with over 20 years of design and manufacturing history in automotive, medical device, and materials development

Healthcare Ai meets the sense of Smell





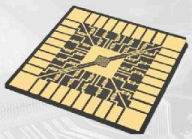
- Increased treatment costs
- Reduction in quality of care
- Strains on resources
- Societal inequities in access to treatment

Simpli-Fi Automation

Introducing PROVECTUS

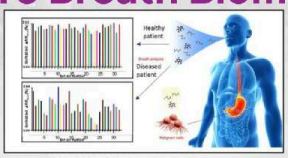
Imagine integrating a full-scale chemical analysis lab into a sensor chip smaller than a dime!

Provectus: A revolutionary breakthrough in analytical chemistry, providing a compact, portable, and cost-effective solution to lab diagnostics in the palm of your hand. Provectus represents a quantum leap in portable Breath Biomarker Diagnostic Technology.



Simpli-Fi Automation

What are Breath Biomarkers?



•Breath Biomarkers are biological molecules found in breath that can indicate the presence of a disease or an adverse health condition.
•Normal and abnormal pathological status and physiological processes in the human body can be characterized by these Volatile Organic Compounds emitted in human breath.
•Measuring the levels of these biomarkers, doctors and researchers can gain insight into a patient's health status.

Simpli-Fi Automation

Vision

Making healthcare more accessible, affordable, and effective, contributing to a healthier, happier world.

Simpli-Fi Automation

Provectus Telehealth

The sensor platform combines state of the art artificial intelligence models with olfactory sensing capabilities to provide real-time chemical analysis.

The Provectus sensor platform incorporates biometric sensors including pulse oximeter, ECG, and temperature for enhance accuracy.

Simpli-Fi Automation

Provectus & Healthcare

The Provectus Telehealth system, gives access to continuous healthcare to those in need:

- Early Detection of Illnesses
- Non-Invasive Monitoring
- Personalized Healthcare:
- Remote Health Monitoring
- Preventive Healthcare

Simpli-Fi Automation

Provectus & Fitness

A cutting-edge, non-invasive, real-time approach to maximizing human performance through personalized data analytics.

- Analysis
- Readiness
- Hydration levels
- Metabolic rates
- Recovery
- Performance Improvement Recommendations
- Continuous Monitoring

Simpli-Fi Automation

Provectus & Clinical Environmental Monitoring

The Provectus Canary System provides continuous monitoring for airborne infectious Hazards:

- Measures Particulate Matter (PM), Temperature, Humidity, Carbon Dioxide (CO2), and VOC's
- Inexpensive C-Diff monitoring in environmental room air.
- Uses "scent mapping" to detect airborne pathogens including, Staphylococcus, E. Coli, Streptococcus, Pseudomonas aeruginosa, and more.

Simpli-Fi Automation

Our Innovative Products

Pioneering US-based device medical device manufacturing

Provectus Canary

PROVECTUS Telehealth

Caerus Strength multi-sensor

Simpli-Fi Automation

NF1

NeuroForce1 delivers individualized Human Performance Programs, using the latest technology and sports science to achieve maximum results at any level.

NASA TECHNOLOGY TRANSFER PROGRAM

Simpli-Fi has licensed cutting-edge NASA e-Nose Breath Biomarker olfactory sensor for Human Medical Diagnostics.

Cleveland Clinic

The Cleveland Clinic team serves over 12 million patients a year and has teamed up with Simpli-Fi to develop a non-invasive C-Diff early warning system for the hospital environment.

Simpli-Fi Automation

Market Opportunity

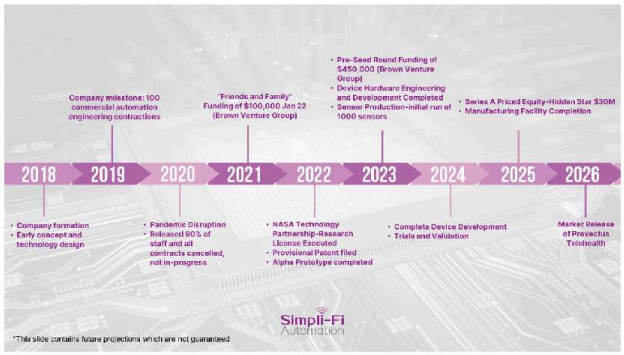
US Remote Patient Monitoring Device

Current-2022 (US) $13.40 Billion
Projected- 2028 (US) **$25.28 Billion**
CAGR: 11.6%
* According to Arizton Advisory & Intelligence report published June 2023

AI Healthcare

Current-2023 (US) $20.9 Billion
Projected- 2028 (US) **$148 Billion**
CAGR 48.1%
*According to MarketsandMarkets report published Feb 2024

Sources: Arizton, MarketsandMarkets, Insights Partner



Downloads

Simpli-Fi Automation Deck-Provectus Breath Biomarker Diagnostics.pdf