

TSXV: **NSCI**
OTCQX: **NSCIF**
FRA: **1N1**



Portable NMR & MRI Machines for Industrial
and Healthcare Applications

August 2021

Nanalysis Scientific Corp.

A market-leading and category-creating global technology company.

Nanalysis develops **magnetic resonance imaging and spectrometer** hardware and software products, for industrial and healthcare customers.

Technology is patent protected, and products are manufactured in our own domestic facility using proprietary manufacturing processes, which constitute a material competitive barrier to entry.



Sean Krakiwsky
CEO & Founder

- B.Sc. & M.Sc., Electrical Engineering from U. of Calgary
- 3rd tech. start-up (incl. Acceleware TSXV: AXE)



Luke Caplette
CFO

- CPA, CA
- 12 Years of Finance, M&A Experience



Julien Muller
CTO

- B.Sc. in Electrical Engineering, U of Strasbourg
- 20 years of MR tech experience

| As of August 10, 2021 | |
|--------------------------------------|--------|
| SHARE PRICE | \$1.20 |
| MARKET CAP | ~\$80M |
| COMMON SHARES ISSUED AND OUTSTANDING | ~67M |
| Revenue run rate | ~\$17M |

Reasons to Buy

Portable Magnetic Resonance intellectual property

- Revolutionary technology category: Portable NMR & MRI for Industry & Healthcare

Established product line bolstered by recent acquisition

- Strong Sales Backlog: 100 MHz NMR product

Latest 2021 revenue growth is 2x prior year

- Sell Direct in USA, Canada, Germany, Switzerland, France. Network of 45 dealers in the rest of world.

Our Vision & Mission

To disrupt the MRI space, providing accessibility for anyone, at any time, as part of society's next gen personalized prevention-centric healthcare system.

Miniaturizing & democratizing magnetic resonance.

Magnetic Resonance

Nuclear Magnetic Resonance Imaging - MRI

- Medical imaging technique
- For use in healthcare industries
- Imaging in industry applications

Nuclear Magnetic Resonance Spectroscopy - NMR

- Important tool in chemical analysis
- For use in pharmaceuticals / biotech, cannabis, nutraceuticals, oil & gas, mining, forensics and education industries.

Incumbent/Old: High Field Magnetic Resonance Gold Standard of Analysis & Imaging



High-field NMR



MRI

- Expensive
- Unsafe
- Liquid Helium
- Gatekeeper
- Huge/heavy

Used in all industries!

New:



- + Affordable
- + Easy to use
- + No cryogens
- + point of need
- + portable



Benchtop NMR



MRI Console

✓ **Miniaturization of industry standard will drive adoption and expand market**

Current Products: 65% Gross Margins

Benchtop Products

High Yield NMR

MRI

PLATFORM

60 MHz



US \$45K-70K
since 2013

R&D labs, QA/QC

100 MHz



US \$125K-155K
since 2019

Better performance

Pulse Console



US \$115K
since 2019

High-performance, affordable,
easy-to-use alternative

MRI Console



US \$45K
since 2019

High-performance, affordable,
easy-to-use modular alternative

ACCESSORIES



Flow Kit

US \$7K
since 2015



Auto sampler

US \$13K
since 2018

To be released
in 2021

Hyperpolarization



US \$45K
since 2019

sensitivity enhancement

Service SOFTWARE

OneTouch™

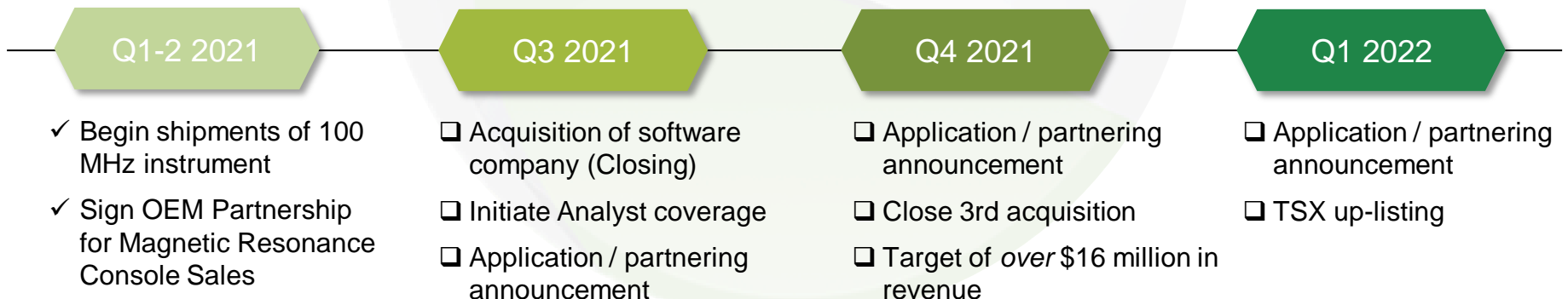
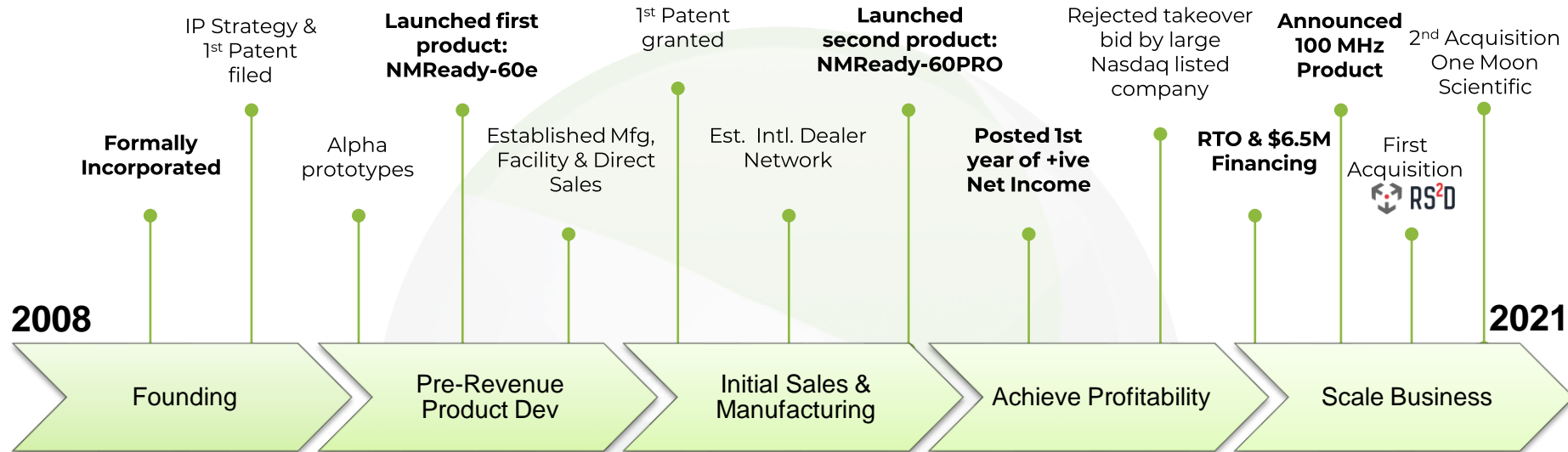


Extended Warranty

Installation & Maintenance

Installation & Maintenance

Milestones & Catalysts



Our Next Decade Will Be Better Than Our First Decade!

Intellectual Property

Three Patents on main technical challenges of miniaturizing NMR

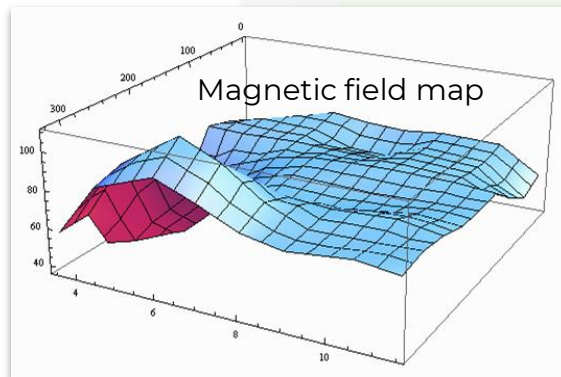
- Patents granted in United States, and other jurisdictions such as China and Japan
- Patents protect key barriers to main technical challenge of compact NMR system development
- Additional patent applications ongoing in support of growing product line

Proprietary electronics, firmware, software, enclosure

- Custom boards designed and assembled in the Calgary manufacturing plant
- Firmware and software developed by in-house specialists

Proprietary manufacturing processes

- Specialized techniques and algorithms make our products very difficult to reverse engineer



Maintaining thermally stable magnetic fields to 9 decimal places of uniformity in all three vectors $\langle x,y,z \rangle$ is hard... Nanalysis is best in world!

US Patent Office Numbers:

- US 8,712,706 B2
- US 9,341,690 B2
- US 9,952,294 B2

Five more patents pending

Growth Strategy

Baseline Business

- Numerous large-scale industrial applications
- Academic teaching, research labs, and
- New, best-in-class product launched recently
- Ruggedized product targeting industrial manufacturing customers

Industry Partnerships

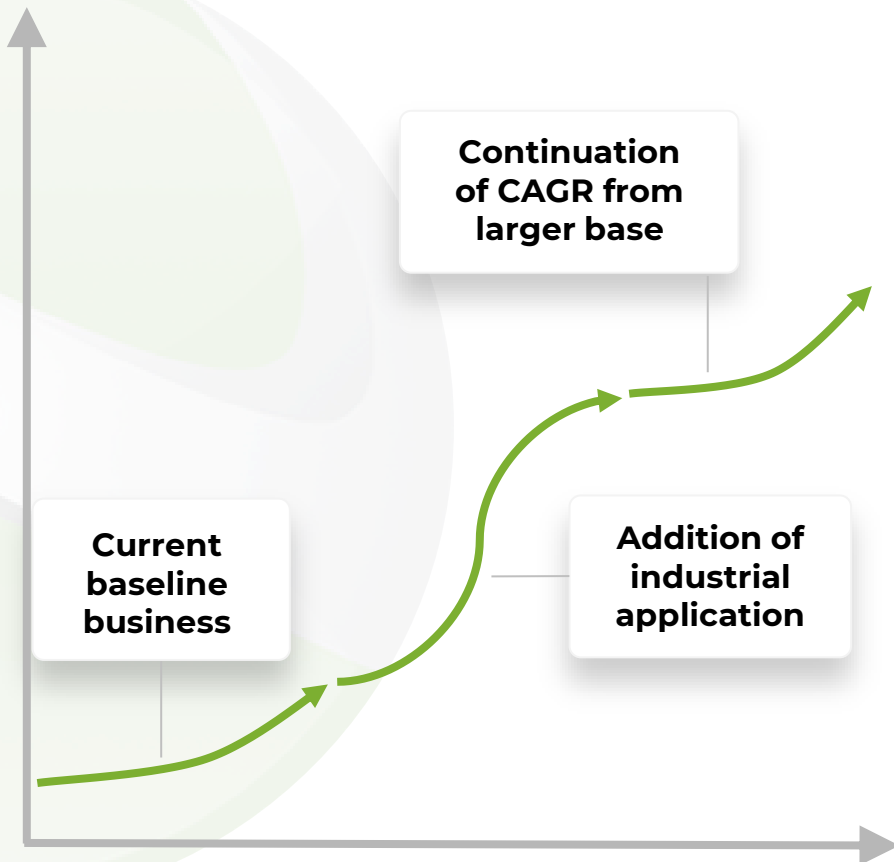
- **Bosch** – Shipping vessel fuel analyzer
 - Total possible market size of 110k units
- **German Police** – Mobile police labs
 - Total annual global spend by major security forces in the billions for analytical instrumentation
- **SARTEC** – Energy and petrochemical
 - Current oil refinery applications indicate market size of 3,500 with more applications under development

Execute an M&A strategy

- Complimentary businesses such as sales and software
- 1st Acquisition Closed in March 2020
- 2nd Acquisition Closed in July 2021

NMR → MRI

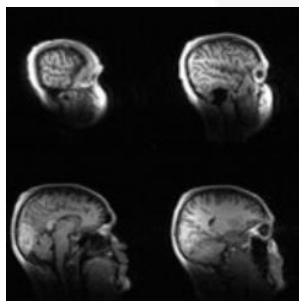
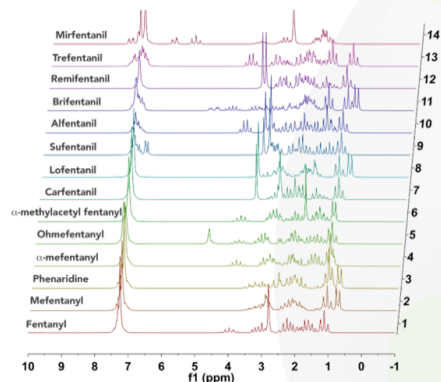
- Future MRI products and applications
- Machine Learning, AI, and Cloud



'Appification' through Software: Key Growth Driver

Traditional MR Output

Complex, information rich, requires an expert to interpret and looks like this:



Compact MR + AI + Cloud Output

- ✓ Uses application-specific MR output and compares with databases, computer software analysis etc. to eliminate need for expert.
- ✓ Applications can be easily integrated into existing software.

Output look like this:



There **is** fentanyl
in suspicious powder



There **is no** fentanyl
in suspicious powder

**Image-based or spectroscopic output data
must be simpler so non-experts can understand and take action**

Market Opportunity & Current Customers

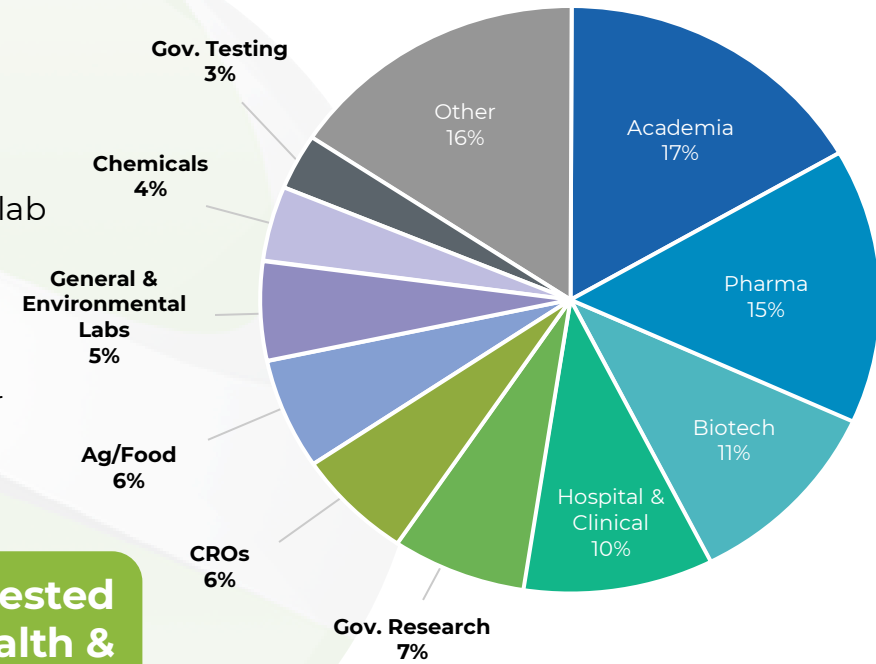
Marketing & Sales

- We sell direct in US, Canada, France, Germany, Switzerland
- We sell in countries such as Japan via dealers
- Market extensively at conferences and digital

Miniaturization - Growth Drivers

- Miniaturization is making equipment standard in every lab and other places
- New industry-specific applications with global market potential
- Compact MRI, Cloud, and AI will create opportunities for personalized healthcare in MRI space
- TAB is \$3B and Growing.

Scientific Instrumentation market was \$75B per year in 2020



Everything in the modern world is tested and and measured for: Innovation, Health & Safety, QA/QC, and Efficient Manufacturing

Customers Include: Over 900 Units Shipped



Management Team



Remy Schimpf
Senior VP of Sales

- Founder of RS2D, which was acquired in March
- Proven sales manager, with many years at Bruker



Dr. Susanne Riegel
Director of Marketing

- M.Sc. in Chemistry, Dalhousie U.
Ph.D. in Chemistry, U. of Calgary
- Over 14 Years of NMR experience



Dr. Greg McFeeters
Head of Manufacturing

- B.Sc. & Ph.D. from U. of Calgary
- Experienced in NMR miniaturization & chip-based NMR



Dr. Heather Phillips
Director of Operations

- Ph.D. Chemistry, Dalhousie University
- 15 years of experience technology commercialization, strategic intellectual property management, and project coordination



Neal Gallagher
Head of Product Development

- B.Sc. & M.Sc. in Electrical Engineering, U. of Calgary
- Over 10 years of experience in EM modelling

Independent Board of Directors



CHAIRMAN OF THE BOARD
Martin Burian
CPA-CA, CBV, ICD.D

On several public company boards and actively seeks investments in private operating companies through Burian Investments Inc. and helps businesses looking to go public leveraging his 25 years of Canadian investment banking experience which includes senior positions at Canaccord Capital and Haywood Securities.



Guido Cloetens
CEO & Chairman, Elysee Development

Mr. Cloetens is the CEO and Chairman of Elysee Developments Corp. and serves as a director at Edgemont Gold Corp. He has over 30 years of capital market experience.



Werner Gartner
CPA/CMA and Technology Investor

Mr. Gartner has over 24 years executive/board experience with technology based businesses (e.g., NovAtel Inc., Hemisphere GNSS Inc., 4iiii Innovation Inc, Psyko Audio Labs Inc. & Novariant Inc.).



Dr. Michal Okoniewski
CSO & Co-Founder, Acceleware

Dr. Okoniewski is a Professor of Electrical & Computer Engineering (Schulich School of Engineering U of Calgary), Fellow of IEEE with over 350 technical publications and holding several patents. He is a world renowned expert in electromagnetics.

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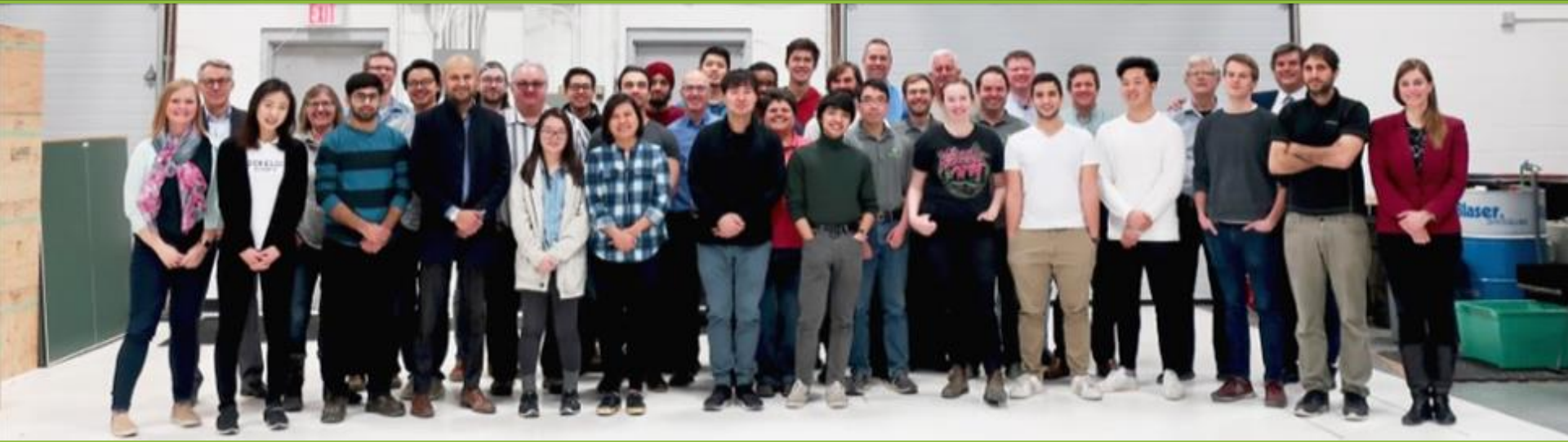
For additional information, please refer to the Corporation's public filings available on SEDAR at www.sedar.com. All forward-looking statements contained in this document are expressly qualified by this cautionary statement.

Thank You!

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Highly educated global workforce of ~90 people
Our Employees are Shareholders!

25 PhDs | 20 MScs | 30 BScs



Headquarters are in Calgary
European Office of ~25 people in Strasbourg

Matt Sellers

Investor Relations Manager

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