

1041718900023



**Office of the Minnesota Secretary of State**  
**Minnesota Public Benefit Corporation / Annual Benefit Report**  
*Minnesota Statutes, Chapter 304A*



Read the instructions before completing this form  
Must be filed by March 31  
Filing Fee: \$55 for expedited service in-person, \$35 if submitted by mail

The Annual Benefit Report covers the 12 month period ending on December 31 of the previous year.  
Notice: Failure to file this form by March 31 of this year will result in the revocation of the corporation's public benefit status without further notice from the Secretary of State, pursuant to Minnesota Statutes, Section 304A.301

- 1. Corporate Name: (Required) Research and Development Laboratories GBC
- 2. The public benefit corporation's board of directors has reviewed and approved this report.
- 3. In the field below, enter the information required by section 304A.301 subd. 2 or 3 for the period covered by this report, (see instructions for further information); Note: Use additional sheets if needed. (Required)

See attached.

4. I, the undersigned, certify that I am the chief executive officer of this public benefit corporation. I further certify that I have signed this document no more than 30 days before the document is delivered to the secretary of state for filing, and that this document is current when signed. I further certify that I have completed all required fields, and that the information in this document is true and correct and in compliance with the applicable chapter of Minnesota Statutes. I understand that by signing this document I am subject to the penalties of perjury as set forth in Section 609.48 as if I had signed this document under oath.

*Michael Doyle*

Signature of Public Benefit Corporation's Chief Executive Officer

3/27/20

Date (Must be dated within 30 days before the report is delivered to the Secretary of State for Filing)

**Email Address for Official Notices**

Enter an email address to which the Secretary of State can forward official notices required by law and other notices:

michael@rdl.science

Check here to have your email address excluded from requests for bulk data, to the extent allowed by Minnesota law.

**List a name and daytime phone number of a person who can be contacted about this form:**

Michael Doyle

Contact Name

(612) 709-7407

Phone Number

**Entities that own, lease, or have any financial interest in agricultural land or land capable of being farmed must register with the MN Dept. of Agriculture's Corporate Farm Program.**

Does this entity own, lease, or have any financial interest in agricultural land or land capable of being farmed?

Yes  No

# Minnesota Public Benefit Corp. Annual Report 2019

Research and Development Laboratories GBC

R&D Labs was founded in Q4 of 2018.

Relevant industry codes include:

SIC Code 87339904 Scientific Research Agency

NAICS 541715 Physical and Engineering Sciences R&D

## Third Party Standard

B Lab's Impact Assessment is the third-party standard approved by the board of directors, because B Lab invented the benefit corporation. They're a nonprofit that scores the most benefit corporations. Their declaration of interdependence describes the scope of impact for general public benefit:

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*"We envision a global economy that uses business as a force for good.*

*This economy is comprised of a new type of corporation - the B Corporation -*

*Which is purpose-driven and creates benefit for all stakeholders, not just shareholders.*

*As B Corporations and leaders of this emerging economy, we believe:*

*That we must be the change we seek in the world.*

*That all business ought to be conducted as if people and place mattered.*

*That, through their products, practices, and profits, businesses should aspire to do no harm and benefit all.*

*To do so requires that we act with the understanding that we are dependent upon another and thus responsible for each other and future generations."*

*-Declaration of Interdependence, B Lab*

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## **General Public Benefit**

R&D Labs has pursued general public benefit by focusing on applied research for sustainability in general.

They designed and launched a simple, but scalable website, <https://rdl.science/> alongside other marketing materials. Our internet presence is also increasing.

Their checking account continues to be maintained with Sunrise Banks, which is a local, Minnesota General Benefit Corporation, certified B Corp, Community Development Financial Institution (CDFI), and a member of the Global Alliance for Banking on Values (GABV).

## **Specific Public Benefits**

R&D Labs continued to pursue their specific public benefits by bolstering their facilities necessary for the design, engineering, & fabrication of scientifically staged, pre-prototype, experiments involving mechanical & structural systems.

In order to accommodate those specific public benefits systematically, they created separate labs:

- 3D Printing
- Mechatronics
- Applied Research
- Fabrication and Mechanical
- Concept Design
- Precision Machining

## **Areas of research**

### **Automated Aquaponics for Commercial Scalability**

Completed design of stage 1 and started construction for experimentation.

### **Robotic Systems**

Two robotic systems progressed – search and rescue, and emergency response.

### **Light Weight Electric Vehicles**

A proof of concept model demonstrated the expected kinematics.

### **Polyhedral Structures for Sustainable Architecture**

The design, concept, and construction are under development.

### **Turbo-mechanical Propulsion**

Continued to increase the energy efficiency and sustainability of our technology.

### **Hypergraphic Data System**

Defined new concept for R&D data storage and retrieval to maximize net impact.

## **Revenue and Recognition**

Robotics projects continued to be designed and machined for an academic institution.

Emergency response equipment was conceptualized and designed for another organization. R&D LABS assigned the intellectual property to this organization for its provisional patent application.

They designed and made parts for an organization that modifies bicycles for persons with physical limitations.

## **Hinderances**

Hinderances included startup challenges such as generating revenue and growing the organization with limited resources.



**Work Item 1151313200034**  
**Original File Number 1041718900023**

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*Steve Simon*

Steve Simon  
Secretary of State