

RedNOx Partners with Nihon Yamamura Glass, Secures \$2M to Revolutionize Emissions Monitoring



NEWS RELEASE
2025 October 8 of the
year

Investment in Exhaust Gas Sensor Start-up RedNOx Inc.

Nihon Yamamura Glass Co., Ltd. (headquarters: Amagasaki City, Hyogo Prefecture; President & CEO: Noboru Yamamura, hereinafter referred to as "NYG") has decided to invest in the seed round financing conducted by RedNOx Inc, a gas sensor technology start-up company (headquarters: Fremont, CA, USA; CEO: Dr. Solomon Ssenyange: hereinafter referred to as "RedNOx").



1. Outline of RedNOx Corporation

RedNOx specializes in developing innovative sensors with high accuracy for measuring greenhouse gases such as NOx, N₂O, and CO₂, and is currently working on development towards mass-production of such sensors for the mobility and agricultural sectors. Demand for highly sensitive sensors that can precisely detect greenhouse gases is increasing due to global warming and increased environmental awareness. RedNOx has already successfully developed a highly sensitive NOx sensor for large engine manufacturers, and in August 2023 signed a basic agreement with Cummins Inc., a major US manufacturer of engines, generators, and related parts. Furthermore, in October 2024, RedNOx received a grant from the US Department of Agriculture for agricultural sensor development, with the aim of reducing N₂O and NOx emitted from fertilizer.

2. Purpose of contribution

The New Glass Company of NYG provides glass materials for bonding and sealing to a wide range of industrial fields, including the electronics and energy-related industries. Along with its investment in RedNOx, NYG will utilize its technological expertise to support RedNOx's developments. Through this investment and collaboration, NYG aims to accumulate know-how in the mobility and agricultural fields, which are new business domains for the company, and to further contribute to the next-generation gas sensor markets.

Through this investment, the Yamamura Group will not only grow its existing businesses, but also actively participate in resolving global environmental issues and developing next-generation mobility and agricultural technologies, thereby further enhancing its corporate value.

■For further information, contact

Nihon Yamamura Glass Co., Ltd.
TEL : 06-4300-6000

Or Web Inquiry Form (<https://www.yamamura.co.jp/inquiry/>(Link))

Fremont, California Oct 11, 2025 ([IssueWire.com](https://www.issuewire.com)) - [RedNOx, Inc.](#) is pleased to announce an expanded strategic partnership with [Nihon Yamamura Glass Co Ltd](#) (NYG). [NYG](#) has invested in our oversubscribed \$2M seed round and will serve as our exclusive partner, bringing decades of ceramic and glass sealing expertise to scale our sensor production. What this enables: faster, higher-quality next-generation NOx and N₂O sensors for mobility and agriculture applications.

Technology in focus

LoNOx sensor: Ultra-sensitive NOx detection across 500 ppb–20 ppm. Built to resist ammonia interference and suitable for diesel and gasoline engines, it's especially relevant for low-emission gensets used by data centers and hospitals.

AgriNOx system: Precision measurement of fertilizer-derived N₂O at sub-ppm levels. Supported by a \$650K [USDA grant](#), pilots in California are helping farmers reduce nitrogen inputs and access carbon credit opportunities.

Why this matters

NOx is a harmful air pollutant, and N₂O is nearly 300× more potent than CO₂. With tighter emissions standards expected to take effect from 2027 onward, our combined technology and capabilities will help OEMs and farmers meet regulatory and sustainability goals.

By pairing Silicon Valley innovation with Japanese technical strength, RedNOx and NYG aim to accelerate commercialization and deliver practical solutions that reduce emissions and create value for industry and agriculture.



NEWS RELEASE
2024 年 10 月 8 日

高感度排ガスセンサー開発 米国スタートアップ「RedNOx Inc.」へ出資

日本山村硝子株式会社（本社：兵庫県尼崎市、代表取締役社長：山村 昇、以下 当社）は、ガスセンサー技術スタートアップ企業 RedNOx Inc.（本社：米国カリフォルニア州フリーモント、CEO：Dr. Solomon Saenkyangse、以下 RedNOx 社）が実施する第三者割当増資の一部を引き受け、出資することを決定しました。



■RedNOx 社の概要

RedNOx 社は NOx、N₂O、CO₂といった温室効果ガスの測定精度が高い革新的なセンサー開発を専門としており、現在、モビリティ・農業分野において実用化に向けた開発に取り組んでいます。温室効果ガスを継続的に検知できる高感度センサーは世界的な温暖化や環境意識向上を背景に、需要が高まっています。同社はすでに大型エンジンメーカー向け高感度 NOx センサーの開発に成功しており、米国におけるエンジン・発電機・関連部品の大手メーカーである Cummins Inc. と 2023 年 8 月に基本合意契約を締結しております。なお、2024 年 10 月に米国農務省から農業用センサー開発向けの助成金を受け、肥料から発生する N₂O と NOx の削減を図っています。

■出資の目的

当社ニューガラスカンパニーは、エレクトロニクス、エネルギー関連等、幅広い産業分野に向けて接着・封着用ガラス材料を提供しています。今回の RedNOx 社への出資と本行して、当社が有する技術的知見を活用し、RedNOx 社の開発を支援します。本出資および協業を通じ、当社にとって新規事業領域となるモビリティ・農業分野におけるノウハウの蓄積と、さらには次世代ガスセンサー市場での貢献を図ります。

当社グループは、本出資により既存事業の成長に加え、グローバルな環境課題の解決や次世代モビリティ・農業技術の発展に積極的に関与し、企業価値のさらなる向上を実現していきます。

■本件に関するお問い合わせ先

日本山村硝子株式会社 ブランドコミュニケーション室 TEL：06-4309-6000
または Web サイト内お問い合わせフォーム (<https://www.yamamura.co.jp/inquiry/>)

Media Contact

RedNOx, Inc.

*****@rednoxinc.com

+19256404183

3467 Pinewood Terrace, Suite 202 Fremont, CA

Source : RedNOX, Inc.

[See on IssueWire](#)