

## **Sprint Challenge Brief:** **Innovative Systems For Medical Gas Usage**

### **BACKGROUND**

Whether for utilization of equipment or for patient care efforts, the usage of medical gases such as carbon dioxide, helium, oxygen, or nitrogen, is vital in medical and dental settings. To be effective and safe, high performance systems capable of delivering, monitoring and regulating these gases are needed.

TechConnect's clients seek innovations in the technologies and systems for medical gases including:

- Compressors
- Filters
- Monitors
- Storage containers
- Valves

Proposed solutions should offer measurable improvements in performance and/or cost versus currently used alternatives. All medical gases are of interest, regardless of function or application setting.

All technical maturities are of interest, though proposed solutions closer to commercial implementation are preferred. Respondents to this Sprint will be considered for engagement by multiple TechConnect clients, representing a variety of industries and applications. Furthermore, select respondents may also be invited to demo, present, or showcase their proposed technology at the upcoming [TechConnect World Conference](#) in July 2023. Respondents are not obligated to participate in the Conference and non-participation will not negatively impact any potential engagement with any TechConnect clients. Event participation fees may apply. There is no cost to submit a response.

The goal of this sprint is to facilitate contact and interactions between the Sprint sponsor and commercial entities (including Start-ups) or technology developers or research organization/university in this space. Submissions from all viable subject matter experts are of interest including those from academia and commercial entities.

## REQUIREMENTS

Solvers submitting an Entry are encouraged to highlight capabilities in their Submission that meet criteria including:

- Applicable gas(es)
  - Type of technology
  - Suitable setting(s)
  - Anticipated performance versus alternatives
  - Technical maturity
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## BUSINESS OPPORTUNITY FOR SOLVERS

All complete and eligible Entries will be included in an exclusive Innovation Opportunity Report that will be presented to our client. Solvers with well-matched capabilities may be contacted directly by either TechConnect Ventures or the client to discuss potential partnership opportunities, including – but not limited to – demonstrations, consulting, contract research, licensing, and more. Top-rated Entries may also be invited to register or participate in an upcoming TechConnect Ventures event or pitch program.

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## PARTICIPATION RULES & GUIDELINES

Solvers are encouraged to review the [Rules](#) and [Guidelines](#) provided on the Sprint page for details about participation, including submission criteria, eligibility information, and more.

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**QUESTIONS?** Contact Executive Director, Nick Kacsandi at [info@techconnectventures.com](mailto:info@techconnectventures.com)