**Supercritical CO2 Working Group survey**

ETN Global is a non-profit membership association bringing together the entire value chain of gas turbine technology. ETN encourages and facilitates information exchange and cooperation to accelerate research, development, demonstration, and deployment of safe, secure, affordable and dispatchable carbon-neutral energy solutions by 2030.

ETN has more than 110 members from 22 countries that have an active involvement in Technical Committees, projects and various Working Groups, Supercritical CO2 Working Group being one of them.

We invite you to participate in our sCO2 survey initially launched in 2021. This activity corresponds to the objectives of our WG to be active, up-to-date, and responsive to common needs while promoting sCO2 applications and supporting their market development.

The initial survey aggregated results were presented to our ETN community this past January.

The sCO2 WG coordination wishes to extend the respondents’ database to make the survey more geographically balanced and representative. To this end, the below survey form is made available to all the sCO2 Symposium stakeholders and participants. Your contribution is highly appreciated and will be rewarded with access to the updated survey aggregated results.

Thank you for your efforts,

*Christer Björkqvist, Managing Director of ETN Global*

*Marco Ruggiero, Chairman of the ETN’s sCO2 working group*

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| --- | --- |
| 1. **Your current job title:**
 | Click or tap here to enter text. |
| 1. **Length of your career (years):**
 | Click or tap here to enter text. |
| 1. **Length of your career in the current sector (years):**
 | Click or tap here to enter text. |
| 1. **Sector of your professional activities:**
 | Click or tap here to enter text. |
| 1. **Size of your company/ organisation (# employees):**
 | Click or tap here to enter text. |
| 1. **Are you participating in any sCO2 funded programme?**
 | Choose an item. | *Please provide details below* |
| Click or tap here to enter text. |
| 1. **Has your organisation performed an assessment of the applicability of the sCO2 technology?**
 | Choose an item. | *Please provide the challenges identified below* |
| Click or tap here to enter text. |
| 1. **Which applications do you see fit for the technology?**
 | [ ] Waste heat recovery[ ] Concentrated solar power[ ] Nuclear[ ] Combined Cycle[ ] Oxy-fuel/Allam[ ] Marine[ ] Other (specify) | *Please specify/comment below if needed* |
| Click or tap here to enter text. |
| 1. **What are your key drivers? (What criteria are the most important for you?)**
 | [ ] Efficiency[ ] Weight[ ] Size[ ] Inert gas[ ] Retrofittable[ ] TCO[ ] Simplicity[ ] Unmanned[ ] Environmental benefits[ ] Flexibility[ ] Other (specify) | *Please specify/comment below if needed* |
| Click or tap here to enter text. |
| 1. **What would be an acceptable trade-off for you? (What are you willing to sacrifice to gain that driver? Please select different criteria than in question 9.)**
 | [ ] Efficiency[ ] Weight[ ] Size[ ] Inert gas[ ] Retrofittable[ ] TCO[ ] Simplicity[ ] Unmanned[ ] Environmental benefits[ ] Flexibility[ ] Other (specify) | *Please specify/comment below if needed* |
| Click or tap here to enter text. |
| 1. **Which component, according to you, needs the most developments?**
 | [ ] Expander/turbine[ ] Compressor/pump[ ] Heat recuperator/exchanger[ ] Cooler/condenser[ ] Primary heater[ ] System Integration[ ] Controls[ ] Combustor[ ] Others (specify) | *Please elaborate why below* |
| Click or tap here to enter text. |
| 1. **If you ever looked at waste heat, have you considered alternatives (steam, ORC)?**
 | *Please elaborate below on reasons for your preference (temperature ranges,…)* |
| Click or tap here to enter text. |
| 1. **Would your company be willing to host a pilot/demo installation?**
 | Choose an item. | *Please give more details below on the facility, conditions etc.* |
| Click or tap here to enter text. |
| 1. **What area of sCO2 applications (either technical or related to market uptake) is currently being overlooked the most**
 | [ ] Major equipment[ ] BOP[ ] Operational[ ] Materials/ Manufacturing[ ] Economics[ ] Niche markets[ ] Market volume[ ] Standards/ legislation[ ] Others (specify) | *Please elaborate below on your choice and detail your reasoning* |
| Click or tap here to enter text. |
| 1. **Is your organisation willing to engage in joint actions and to share (limited) proprietary data under appropriate NDA protection?**
 | Choose an item. | *Please provide more details below if needed* |
| Click or tap here to enter text. |
| 1. **Does your organisation have sCO2 facilities (either laboratory or pilot scale)**
 | Choose an item. | *If yes, please describe briefly below* |
| Click or tap here to enter text. |
| 1. **Is your organisation willing to host joint R&D activities in your sCO2 facilities?**
 | Choose an item. | *If yes, please comment of the type of facility and the drivers below* |
| Click or tap here to enter text. |
| 1. **Does your organisation have resources that can be used to fund joint sCO2-related R&D activities of your interest?**
 | Choose an item. | *Please estimate the budget if possible and/or specify the nature of these resources below* |
| Click or tap here to enter text. |

**Please send the filled in form in .doc or .pdf format to Jitka Spolcova (****js@etn.global****)**