CALL FOR RADICAL INNOVATION

Q & A
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What are you looking for?

• We are looking for Radical Innovation. That is, solutions that have the potential to create such dramatic changes in technologies, processes, products, services etc. that it may transform existing oil and gas production in the North Sea entirely.

What is Radical Innovation?

• To us Radical innovation results from discontinuous change – that is, the innovation could not result from a linear extrapolation or progression from the initial conditions.

What is a Radical sprint?

• A sprint is a three month intensive exploration of a radical idea. The objective of a Sprint is to analyze the potential of the proposed idea in relation to a radical innovation to the oil and gas industry.
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What can I get funding for:
• We are funding the actual direct cost of the Radical Sprint project, as: direct salary, lab experiment, travel expenses etc.

Who can apply for funding?
• Everybody who have a Radical idea that has the potential to be implemented in oil and gas production in the Danish North Sea.

If I do not have a job, can I come up with an idea?
• Yes you can, we will find a solution for you in that case.

Can I make a master project as a radical innovation sprint?
• Yes you can, but it requires that you have a supervisor at your home university.
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How to turn my idea into reality?
• A sprint could potentially be the first step on a long and exciting journey, the next step is to plan how to move forward.

Am I secured further funding after my sprint?
• No. You are not guaranteed funding after a radical innovation sprint. You are free to seek funding elsewhere to continue the exploration of your idea after the sprint. If your idea is very good, DHRTC may decide to finance further development of it.
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I do not know enough about the oil and gas industry to carry out innovation?

• Naturally you do. Some of the more revolutionary ideas has its roots in other industries. It's about thinking out of the box, so detailed knowledge of the oil and gas industry might not be an advantage. We urge you to apply regardless of your level of knowledge of the O&G industry. Furthermore, you are always welcome to contact us.

Can DHRTC help me develop my idea?

• DHRTC can assist you with feedback and scoping.

My idea remains extremely vague. Can I get help?

• Yes. Pitch your idea to us at our website (www.oilgas.dtu.dk) and we will contact you.
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Does my idea have to be easy to develop and implement?
• No it does not. The most radical ideas with the highest impact potential are often challenging.

What happens with my idea if I do not ‘win’?
• In DHRTC we have an idea backlog where we store ideas we have received. This means that your could be contacted about your idea at a later stage. You are of course free to work ahead and use your idea. If you do not want your idea in the idea backlog please let us know. The idea backlog is not public available.
How can I optimize the probability of my sprint becoming a success.

- You have the capabilities, knowledge, and the ability to be successful in a certain arena, so use your experience.
- 6 tips that you probably already know:
  1. Smart People - find someone who can inspire you and give you feedback
  2. Smart Planning - 3 months is a short time so plan your time
  3. Open Communication - when you share knowledge, you'll get something back
  4. Smart Evaluation and Feedback – schedule time in your planning for evaluation and feedback
  5. Strong Project Closure – your project closeout report is your final project so plan for it
  6. Smart Creativity – development of radical ideas can be chaotic so give room for creativity in your planning
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I need help for execution of my sprint!
• It is your radical idea and therefore you are best suited to explore and develop the idea or find someone who can do it for you.

Can I get data from the industry for my sprint?
• No, we do not provide access to industry data. A radical innovation sprint is research in how the future might look like.
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How do I apply for a radical innovation sprint?

1. Go to our website here: [http://www.oilgas.dtu.dk/english/ideation](http://www.oilgas.dtu.dk/english/ideation)
2. Download the application template: ‘Sprint Proposal Template’.
3. Fill in the template - be careful with contact information.
4. Click on the “send your idea to our email” at our website.
5. Attach the filled application template and send the mail.
6. Within 5 working days you will receive an email confirming the receipt.
When are my deadlines/when will you get back to me?

- **20/6 2017:** Deadline for submission of proposals.
- **From submission to 15/8 2017:** You may be contacted for further clarification.
- **1/8 to 31/8 2017:** Answer to fund application.
- **11/8 to 31/8 2017:** Contract submission and signing.
- **1/9 to 30/11 2017:** Radical innovation sprint period is from September 1\(^{st}\) to November 30\(^{th}\) 2017.
- **1/12 2017:** Deadline for submission of closing report, presentation and pitch.
How do I report the results of the Radical Innovation Sprint?

• We expect that you:
  – Submit a elevator pitch, a short presentation and a closeout report of maximum 10 pages by the end of the sprint (December 1\textsuperscript{st} 2017).
  – You may also be invited to prepare a poster and present it at the DHRTC Technology Conference 2017 (November 14\textsuperscript{th}-15\textsuperscript{th} 2017): [www.oilgas.dtu.dk](http://www.oilgas.dtu.dk)
What are the terms and conditions?
• We are using a standard contract following the terms and conditions within DHRTC. The contract, terms and conditions can not be negotiated.

Who owns the IP rights?
• All results will be published in a combined report by DHRTC on our website. Therefore, the results will be in the public domain.

Can I publish my results?
• All results will be published in a combined report by DHRTC on our website.
How do you decide which ideas will receive funding?

• The decision is made by a small team of open minded researchers and industry professionals from the partnership universities and from Danish Underground Consortium. All proposals will be evaluated and ranked according to the following criteria:
  – Is the idea radical?
  – How clear is the idea?
  – How relevant is the idea?
  – How dramatically could the idea impact the oil and gas industry?
  – How likely is it that your idea is successful?
Why a radical innovation?

- Radical innovation has the potential of leading the way to a more efficient oil and gas production. The industry is very costly and wary. Often planned projects are not executed as the revenues do not match the costs.

What is in it for DHRTC?

- DHRTC is established to act as incubator for ideas that could lead to increased oil and gas recovery from the Danish North Sea.
What is different in relation to this sprint?

• In this sprint we are deliberately seeking the radically different solutions. We are seeking the unknowns and unseen by the oil and gas industry. Hence, we will not flag the known challenges, but instead we will seek and explore new technologies, processes, products, services etc. that have the potential to create a dramatic change in oil and gas production.

Who can I contact?

• You can contact us by pitching your work area on our website or you can write an email to DHRTC-RIS@dtu.dk. The main contacts of this mail is:
  • Lene Hjelm Poulsen
  • Kristine Wille Hilstrøm