

**Title** (A short title to describe this use case)

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Include type if innovation and objective if possible, i.e.  
*Drone used to complete RB inspection*

**Contact** (for follow up questions and engagement)

Name: .....

Email: .....

This should be the person/s to be contacted for additional  
information on this subject.

Acknowledge the IAEA will make this Use Case publicly available via the ISOP Network.

**Background and Objective** (Provide a brief description of the use case)<sup>1</sup>

- What was the objective of the work being done?
- Where in the facility did it take place and what were the conditions?
- Describe challenge/s that led to the consideration of the specific solution.
- If applicable, describe how this work was completed previously.

These bullets are provided to  
guide input. They should be  
deleted and replaced by  
actual information.

Same for the sections below.

**Deployment Details** (Explain the solution and why it was selected and related details as appropriate)

Date of most recent deployment (dd/mm/yyyy): .....

- Describe the solution selected and the bases / criteria for the selection.
- Is the solution commercial-off-the-shelf or customized?
- Describe preparatory work; for example, risk analysis, contact with regulator, mockup tests, destructive tests, verification & validation, etc.
- Consider including a risk portfolio for various options and how the risks were addressed.
- Who operated the system/s, device/s, etc., and what other personnel were involved?
- Was there / is there an existing team trained to do the work?
- Did the work deviate from the plan? If so, please share details.

**Summary/Result** (Summarize the mission outcome and include any lessons learned)

- Describe the extent to which the solution addressed the original objective, overcame identified challenges, etc.

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<sup>1</sup> The bulleted items are suggested content. Please remove these bullets from the final draft prior to submission.

- Describe any lessons learned.
  - Technical aspects (connectivity, electro-magnetic interference, load compatibility, etc.)
  - Cyber Security (vulnerability scanning, data management and security, user rights management, attack vector reduction, etc.)
  - Administrative/logistical aspects (permits/license, health and safety compliance, etc.)
- If this use case has been implemented multiple times, summarize the integration of operating experience over time and the related improvements?
- Describe [quantify / use KPIs if possible] the business case or other benefits realized from the solution.
  - To what extent did the solution achieve the desired objective/s; for example:
    - improve safety (industrial/confined space access, dose, radiation levels, etc.)?
    - improve performance?
    - exploit an opportunity and/or overcome a challenge?
  - To what extent were costs reduced?
  - Describe any new, greater amounts, better quality, etc. information gathered.
  - Did the solution expedite the work, or did it allow for new work to be accomplished?

## Supporting Information and Media

Include any other information you may think is relevant to understanding the use case. Please include any photos that capture the mission. If the files are too big or you would like to share a video, please send them to [e.bradley@iaea.org](mailto:e.bradley@iaea.org).