



Programme Area: Nuclear

Project: SMR Deployment Enablers

Title: SMR deplyment enables work break down structure and first 5 year project plan

## Context:

The purpose of the SMR Deplyment Enablers project was to identify the activities needed to take place in the first five years of a development plan for UK SMRs and the necessary capability of the SMR utility/developer organisation during this phase. Selection processes are out of scope so the starting assumption for the project is that both the SMR utility/developer and reactor vendor have already been identified.

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## **SMR Deployment Enablers Project**







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![](_page_2_Picture_4.jpeg)

![](_page_2_Picture_5.jpeg)

| 2035 20   |                                  | 36   | 2037  | 2038   | 2039  | 2040  |
|---|----------------------------------|--|---|--|---|---|
| Enabling Actions  |                                  |  |   |  |   |   |
|   |                                  | Role of Government   |   |  |   |   |
| orivate sector<br>om SMR generation<br>nent between<br>ising awareness of<br>he UK regulatory   |                                  |  | <ul> <li>Facilitation / Statement of intent: To set out a clear statement of intent in relation to SMR development in the UK, the required timescales and facilitative actions that will be taken by Government.</li> <li>Facilitation / UK awareness: To promote early engagement with Vendors, through a UK regulatory 'bootcamp' (facilitated by an industry body, such as the NIA)</li> </ul> |  |   |   |
|   |                                  | 2 e<br>''  |   |  |   |   |
|   |                                  |  | Facilitation / Commit resource: To request the<br>Regulators to support GDA and Regulatory Justification<br>(facilitated by the NIA) and support the headcount<br>implications  |  |   |   |
| Operator as a legal<br>with demonstrable<br>oility of the SMR<br>how these will be<br>ors' GDA and<br>sions, together with<br>ites for SMRs and |                                  | 1<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I<br>I | Risk management / facilitation: To review the adequacy<br>of current legislation and national policy statements in<br>light of the proposed SMR development programme<br>and lessons learnt since the publication of the 2008<br>White Paper; and pass new legislation where required,<br>in order to minimise the risk of challenge by Judicial<br>Review  |  |   |   |
| erator to commence<br>d consenting work,<br>aracterisation, pre-<br>blic consultation, in<br>g that this will<br>the private sector)            |                                  | 3 c<br>3 c<br>1<br>2<br>3  | Risk manageme<br>constructively w<br>confirm agreem<br>nodels (includin<br>assumptions, ea<br>and geological  | ent / facilitation<br>with operators (<br>nents that unde<br>ng, CfD negotia<br>xport market fa<br>disposal strate | n: To engage e<br>(and their invest<br>erpin cost and r<br>ations, district<br>acilitation, was<br>gies under the | early and<br>stors) to<br>revenue<br>heating<br>te storage<br>FDP). |
| stment case that<br>se interim<br>crease investor<br>f). This includes<br>ficity offtake and<br>ssioning liabilities                            |                                  |  |   |  |   |   |
| ted with site<br>much preliminary<br>ad of grant of Site<br>and Development<br>nuclear  |                                  | 3 r<br>3   | Risk manageme<br>constructively w<br>confirm agreem<br>models (includin<br>assumptions, e<br>strategies / geo   | ent / facilitation<br>vith operators (<br>nents that unde<br>ng, CfD negotia<br>xport market fa<br>logical disposa | n: To engage e<br>(and their invest<br>erpin cost and r<br>ations, district<br>acilitation, was<br>al).           | early and<br>stors) to<br>revenue<br>heating<br>te                  |
| sembly of the FOAK<br>1, by commencing<br>2ms ahead of FID  |                                  |  |   |  |   |   |
| derstanding of<br>work for decision<br>oject initiation u<br>aligned with the<br>rities, the Plann<br>and maintain<br>takeholders to<br>isks    | the<br>ons<br>ip to<br>e<br>ning |  | Risk management<br>of current legisl<br>development probublication of the<br>egislation wher<br>of challenge by   | ent / facilitation<br>ation in light of<br>ogramme and<br>ne 2008 White<br>re required, in o<br>Judicial Revie     | n: To review the<br>f the proposed<br>lessons learnt<br>Paper; and pa<br>order to minim                           | e adequacy<br>SMR<br>since the<br>ss new<br>ise the risk            |
|   |                                  | <b>4 E C C C C C C C C C C</b>   | Risk manageme<br>European mem<br>Commission to<br>challenges to E   | ent / facilitatior<br>ber states and<br>identify and ac<br>uratom Treaty   | n: To engage e<br>the European<br>ddress potentia<br>submissions.   | arly with<br>al   |

![](_page_3_Picture_0.jpeg)

![](_page_3_Figure_1.jpeg)

## **SMR Deployment Enablers Project**

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![](_page_3_Figure_5.jpeg)