



GDA – Phase 2 Interface and Operator Responsibilities

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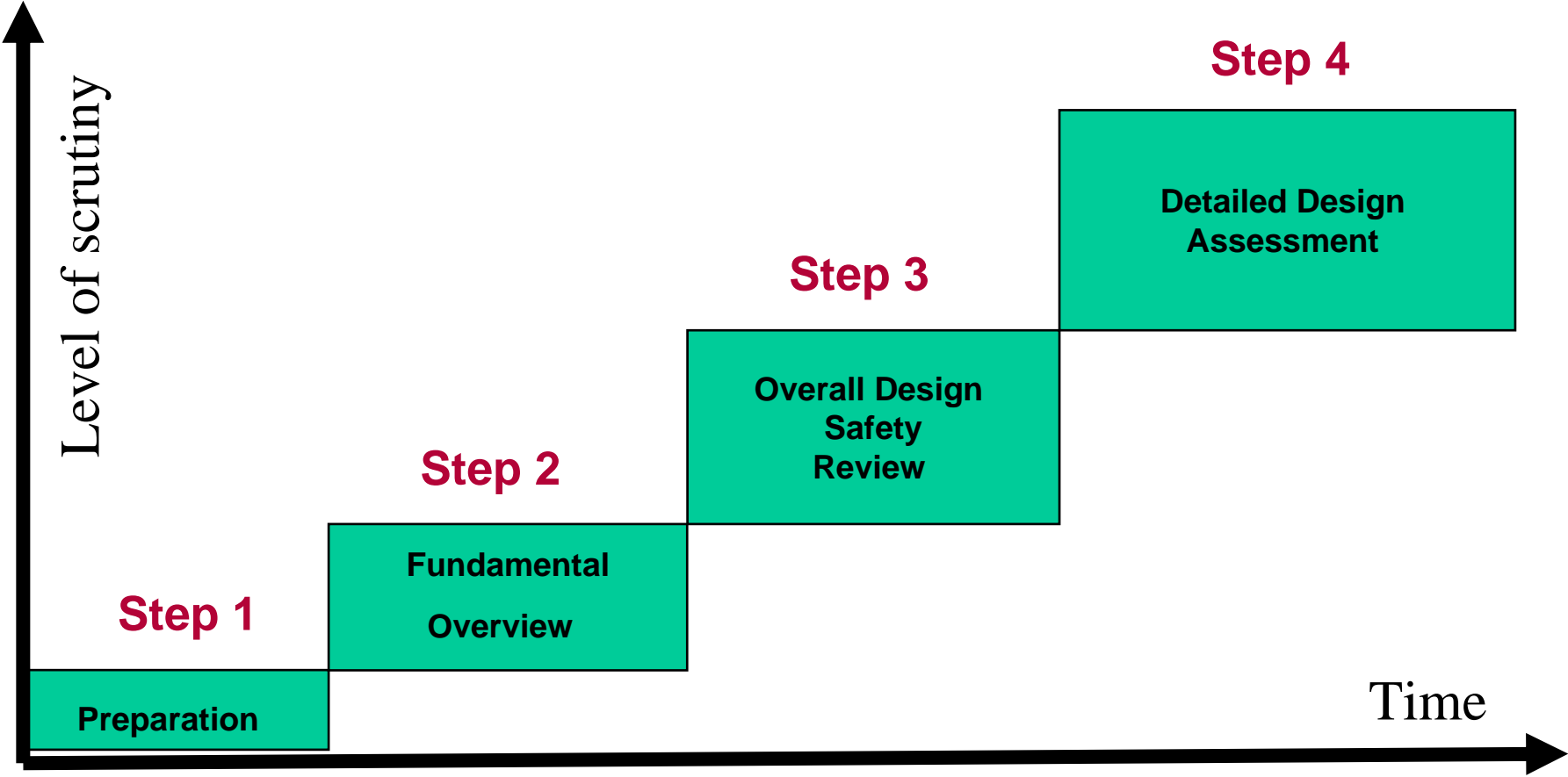


Two Phase Nuclear Licensing Process

- PHASE 1 : Generic Design Assessment
 - Will complete June 2011
- PHASE 2 : Nuclear Site Licensing & Authorisation
 - Approx 1 year duration
 - Starts when Application received
 - Cant finish before GDA Confirmation

4 Steps with increasing levels of scrutiny

Generic Design Acceptance process



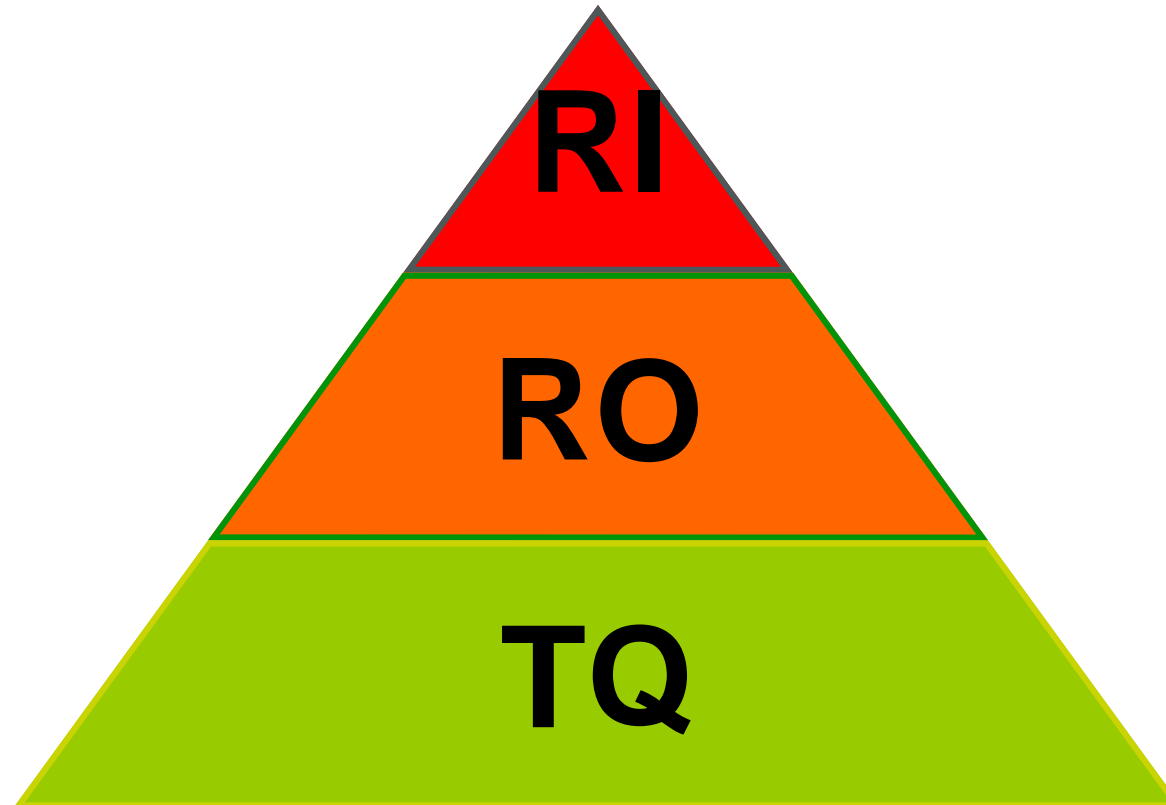


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Raising Assessment Issues



Operator involvement in GDA

Question – Is operator involvement in GDA compulsory?

Answer – No!

Question – Do we expect operator involvement in GDA?

Answer – Yes!

Question – How much?

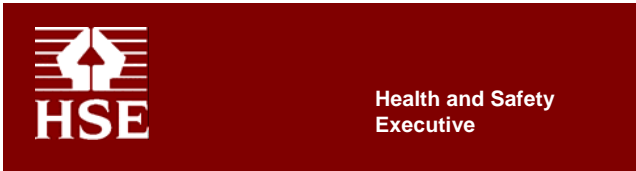
Answer – It's a choice for the operators – but,
in principle, the more the better!

GDA Outputs

- Website, Step 2, Step 3 and progress reports
- GDA Design Acceptance Confirmation (HSE) & Statement of Acceptability (EA) – Environment Agency
- (GDA Refusal, if appropriate)
- Exclusions = generic issues that regulators judge remain unsolved
 - Categorised Type 1, 2, or 3 (~ H, M, L)
 - As few as possible, as many as required
 - Will be known before end of GDA
- Conditions = regulatory requirements arising from GDA - to be addressed on each plant built

Exclusion clearance

- Exclusions will arise in GDA from RIs, ROs
- Should have a generic clearance plan
- But Licensees will be responsible for clearing during Licensing and construction
- Discussion & Guidance document.....



DRAFT FOR DISCUSSION

Version 1 dated 8 April 2009

**New nuclear power stations
Generic Design Assessment**

**DISCUSSION DOCUMENT ON MANAGEMENT OF GDA DESIGN ACCEPTANCE
CONFIRMATIONS**

**[The management process for the end of the GDA assessment –
including Design Freeze, Design Completion, GDA Design
Acceptance Confirmation, Exclusions, Conditions, and Change
Control]**

<http://www.hse.gov.uk/newreactors/index.htm>

Phase 2 - Site Licensing

We will look at :-

- Site specific reactor design
- Site
- Operator

Phase 2 - Site Licensing / Permitting

This will:-

- Look at site specific issues for the reactor
- Examine the Potential operators's organisation
- Take the Design Acceptance Confirmation
- Assess any Exclusions in design acceptance
- Assess any new relevant information since design acceptance
- May be partly in parallel with Phase 1 GDA

GDA to Licensing: RP to Operator

Requesting Parties need to:

- Secure GDA Confirmation & support Site Licence pre Construction Safety Report
- Ensure the plant can be safely built & operated
- Ensure the safety case is clear
- Ensure Maintenance and Tech Specs link to safety case
- Educate the future operator



GDA to Licensing: RP to Operator

Operators need to:

- Understand the safety case
- Prepare and obtain site licence
- Develop an appropriate organisation
- Adhere to Site Licence Conditions
- Build & commission the reactor safely

Future Operator Development

GDA assessment period

- develop understanding of the reactor.

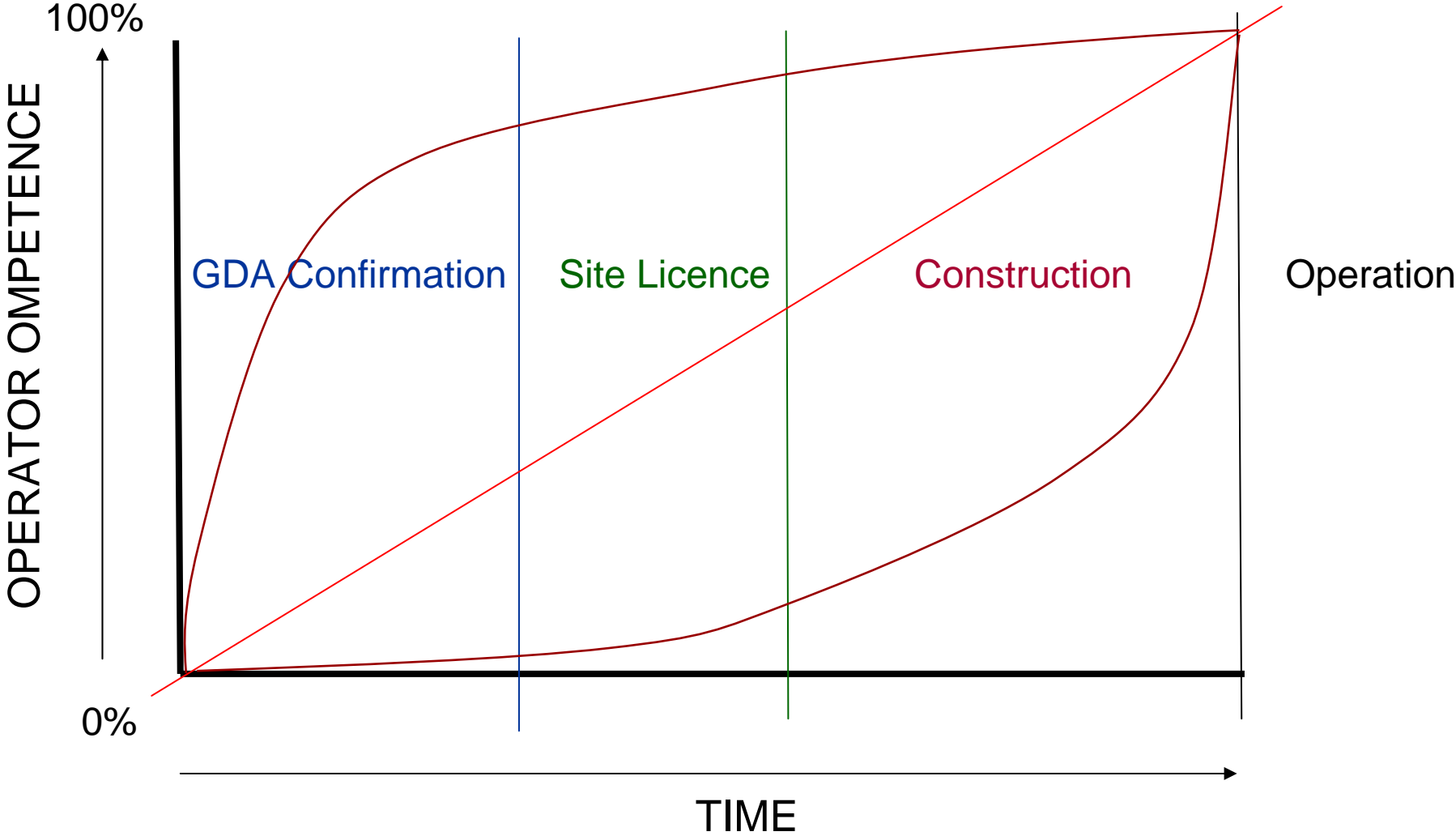
Nuclear Site Licence Application preparation

- develop a competent organisation, with plans to grow this as appropriate.

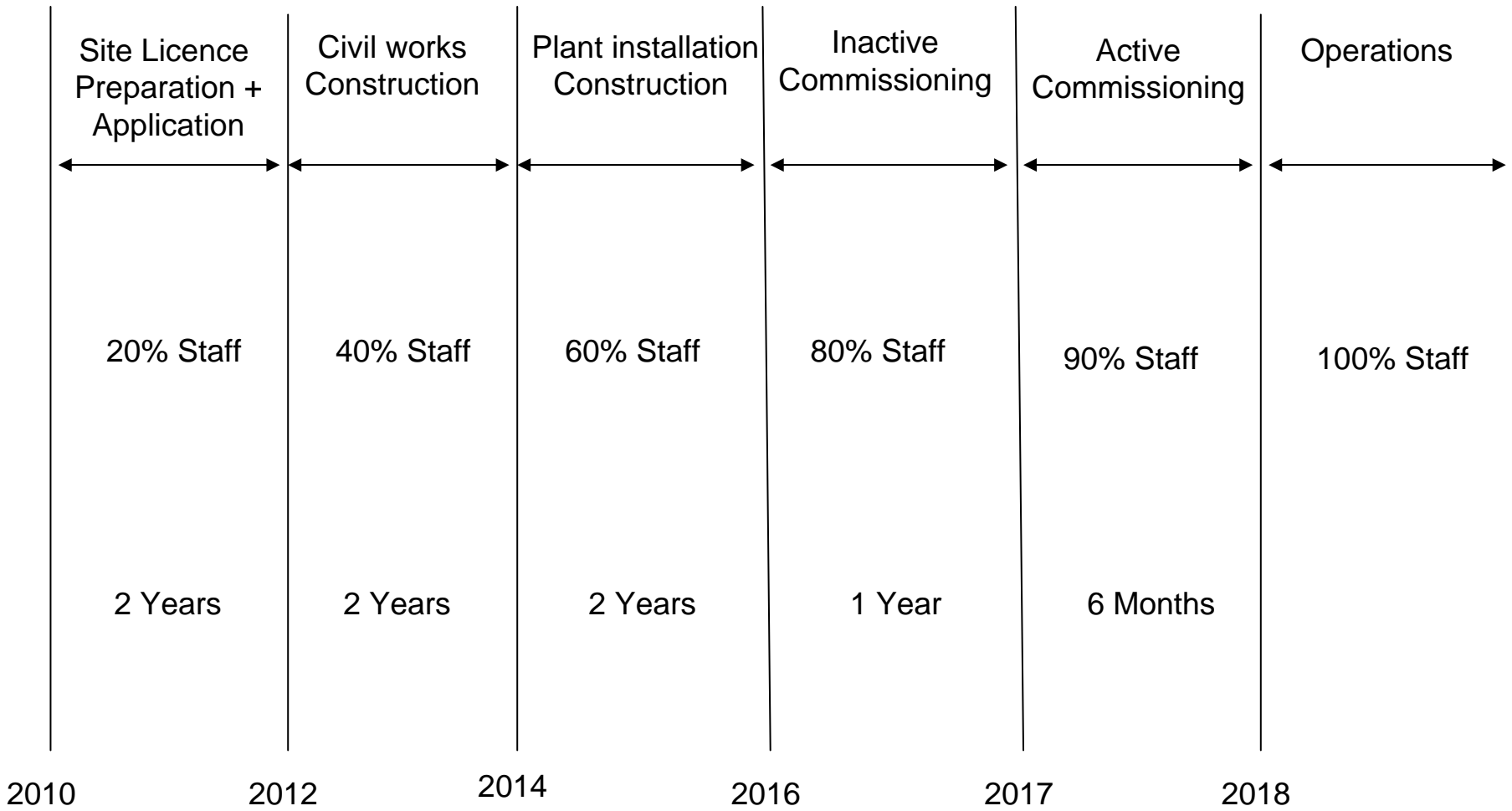
Construction period

- develop and grow the organisation in accordance with the plan.

Potential Operator Competence Development



Operator Staff Build-up



During Construction

A Licensee needs to:

- Build & commission the reactor safely
- Be in control of all the activities on the site
- Have and develop an appropriate organisation
- Ensure safety, security & environment protection
- Adhere to Site Licence Conditions
- Control the design and any deviations from it or modifications to it.
- Control sub-contractors and ensure they follow the Site Licence Condition Arrangements

And these are needed from Day 1 – hence NII need assurance before a Licence is granted and will inspect implementation



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AREVA, P.Bourdon