



ROSATOM

State Atomic Energy Corporation "ROSATOM"

KM tools to support technology and competencies transfer during nuclear power infrastructure development for the first nuclear power plant

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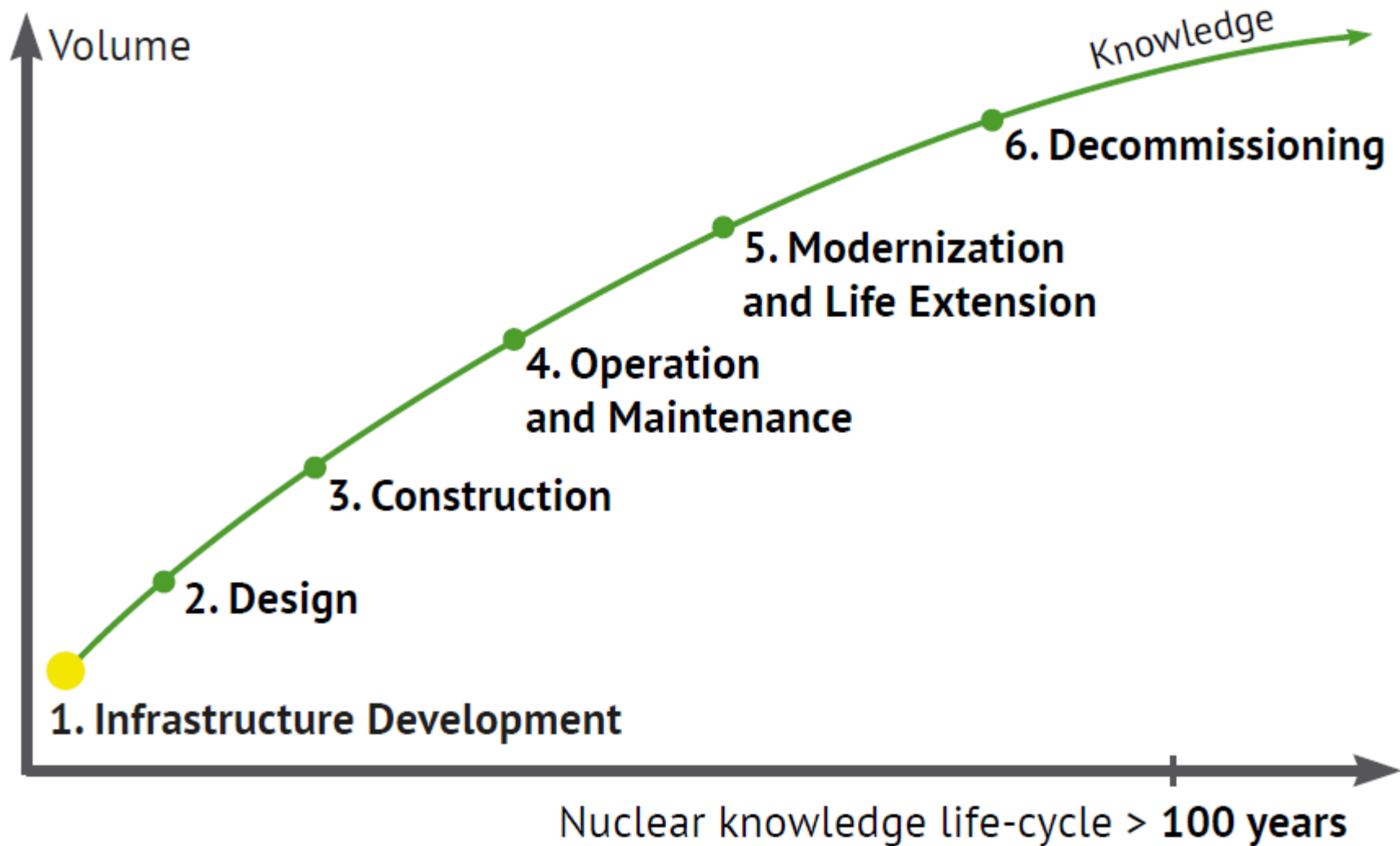
Head

International partnerships and IPR Management Unit

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Moscow

Nuclear Safety is a Highest Priority Work in Progress



Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 6 | Conclusion

Integrated KM Solutions

(R&D, Engineering and Operations Societies)

Issues

- ✓ Build national research and development infrastructure
- ✓ Develop and maintain national expertise for safe and secure use of nuclear technology
- ✓ Develop and maintain staff technical competencies
- ✓ Develop and maintain IP management culture

Tools

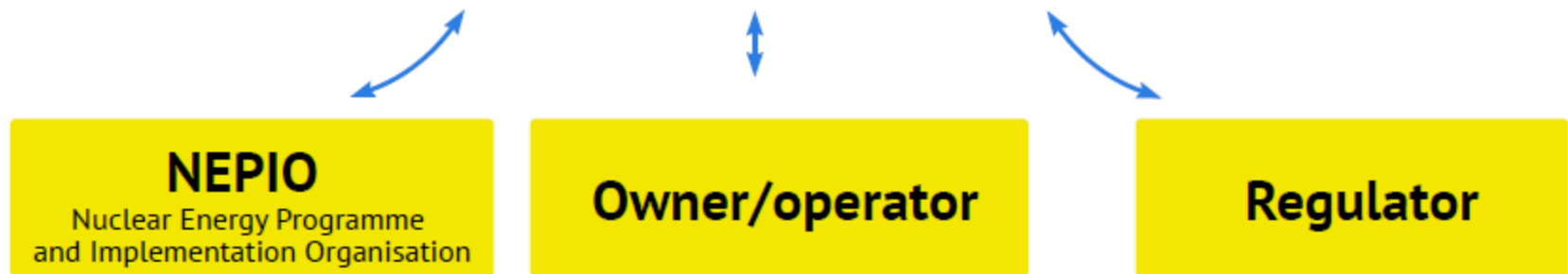
- ✗ Industry and technology classifiers
- ✗ National R&D centers
- ✗ Scientific programmes
- ✗ Scientific and technical documentation exchange platform
- ✗ Expert collaboration platform
- ✗ Education and mentoring programmes
- ✗ Competencies maps
- ✗ Critical knowledge preservation and transfer
- ✗ IP management platform and policies

Involve national stakeholders to operate in a common knowledge environment



Multi-D
Suppliers
Contractors
Project plan
Expert communities
Training and mentoring
Equipment and materials
Construction and technical regulation

NUCLEAR KNOWLEDGE INFRASTRUCTURE



Step 1 | Step 2 | Step 3 | **Step 4** | Step 5 | Step 6 | Conclusion

Integrate KM tools into business processes when embarking on nuclear power programmes

Process owners

NEPIO

Nuclear Energy Programme and Implementation Organisation

Owner/operator

Regulator

Core processes (examples) ✂ ✂

- ✓ Technology Selection
- ✓ Licensing
- ✓ Design
- ✓ Construction
- ✓ Commissioning



Management processes (examples) ✂ ✂

- ✓ Project Planning
- ✓ Financing
- ✓ Human Resource Management

✓ Quality Management

✓ Training and Mentoring

✓ Information Management

Supporting processes (examples) ✂ ✂ ✂

Use nuclear knowledge infrastructure to build high-tech industries



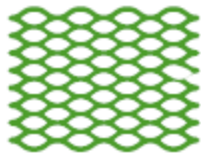
Medicine



Safe food



Space



New Materials

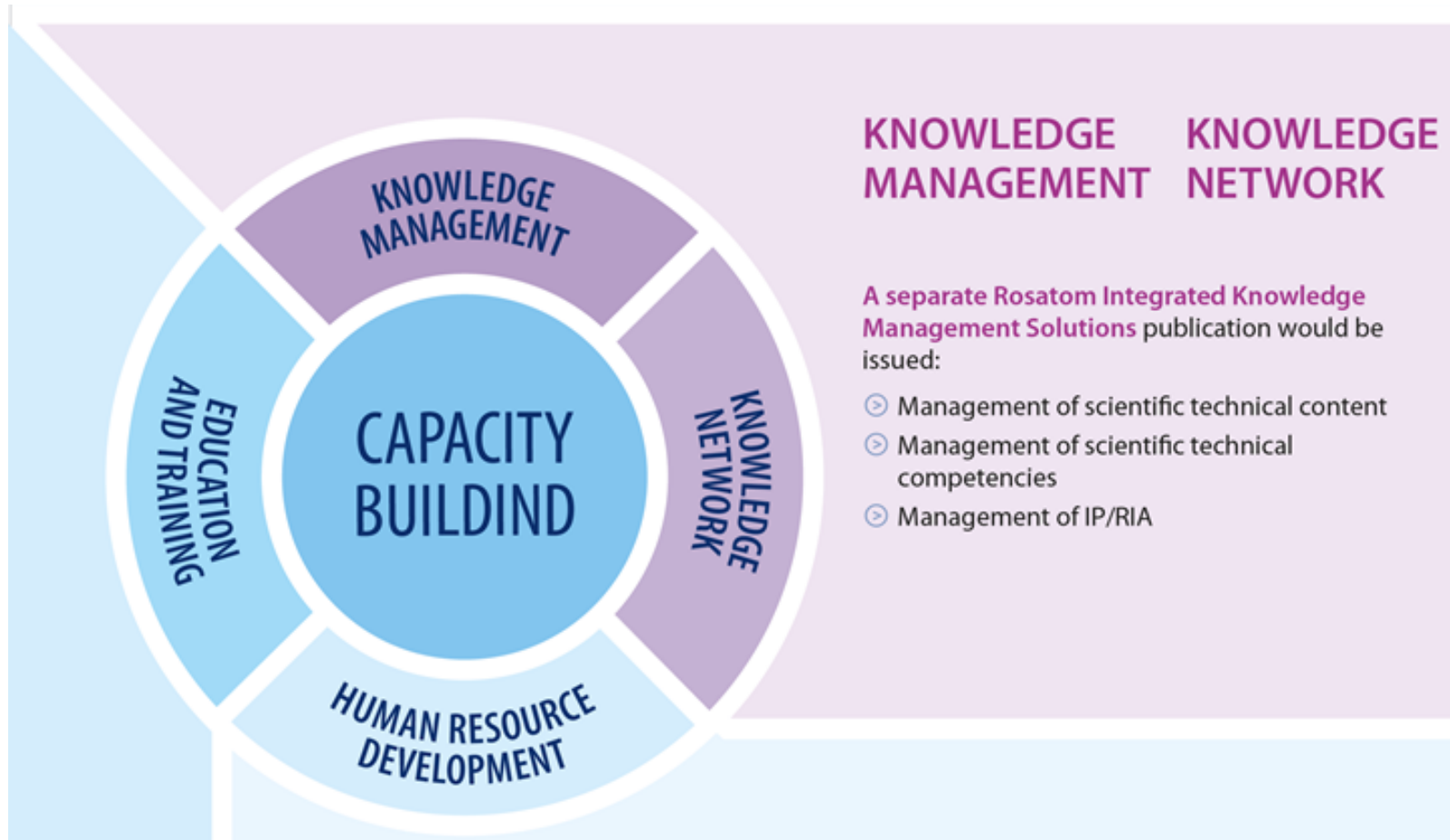


Heavy industry



Energy

Be hungry for knowledge and do no fear knowledge sharing



Step 1 | Step 2 | Step 3 | Step 4 | Step 5 | Step 6 | **Conclusion**