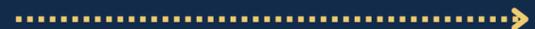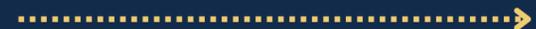# INDUSTRY HPC PACKAGES

WHY? → **HOW?** → **ACTION** **SUSTAINABILITY**

INITIAL CONSULTATION

Initial consultation on HPC/HPDA/AI customer maturity innovation potential and customer needs.

FOLLOW UP CONSULTATION

Follow up consultation on HPC/HPDA/AI technical feasibility, use-case concept and resource management.

TECHNICAL CONSULTATION

Technical expertize and support in the given HPC/HPDA/AI application domain (implementation).

HPC ACCESS

Deployment and testing of parallel computing or HPDA/ML simulation on HPC infrastructure.

HPC/HPDA/AI TRAINING COURSES

Competencies building, different maturity levels. (min 10 paritcipants)

HPC PACKAGE 1

Consultation,implementation, validation, HPC access, resources and storage

HPC ACCESS

Domain-specific and customized trainings. (min 5 participants)

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HPC PACKAGE 2

Consultation,training,improve ment of HPC/HPDA/AI codes, implementation on HPC resources, testing, validation, optimization

PUBLIC ADMINISTRATION HPC PACKAGES

WHY? ·············> **HOW?** ·············> **ACTION**   **SUSTAINABILITY**

INITIAL CONSULTATION

Initial consultation on HPC/HPDA/AI employee maturity and sector-specific needs.

FOLLOW UP CONSULTATION

Follow up consultation on HPC/HPDA/AI technical feasibility, use-case concept and resource management.

TECHNICAL CONSULTATION

Technical expertize and support in the given HPC/HPDA/AI application domain (implementation).

HPC ACCESS

Deployment and testing of parallel computing or HPDA/ML simulation on HPC infrastructure.

HPC/HPDA/AI TRAINING COURSES

Competencies building, on different maturity levels. (min 10 paritcipants)

HPC PACKAGE 1

Consultation,implementation, validation, HPC access, resources and storage

HPC ACCESS

Domain-specific and customized trainings. (min 5 participants)

NCC HPC BH

HPC PACKAGE 2

Consultation,training,improvement of HPC/HPDA/AI codes, implementation on HPC resources, testing, validation, optimization

ACADEMIA HPC PACKAGES

WHY? ----> HOW? ----> ACTION   SUSTAINABILITY

INITIAL CONSULTATION

Initial consultation on HPC/HPDA/AI employee maturity and specific needs.

FOLLOW UP CONSULTATION

Follow up consultation on HPC/HPDA/AI technical feasibility, use-case concept and resource management.

TECHNICAL CONSULTATION

Technical expertize and support in the given HPC/HPDA/AI application domain (implementation).

HPC ACCESS

Deployment and testing of parallel computing or HPDA/ML simulation on HPC infrastructure.

HPC/HPDA/AI TRAINING COURSES

Competencies building, different maturity levels. (min 10 paritcipants)

HPC ACCESS

Domain-specific and customized trainings. (min 5 participants)

HPC PACKAGE 1

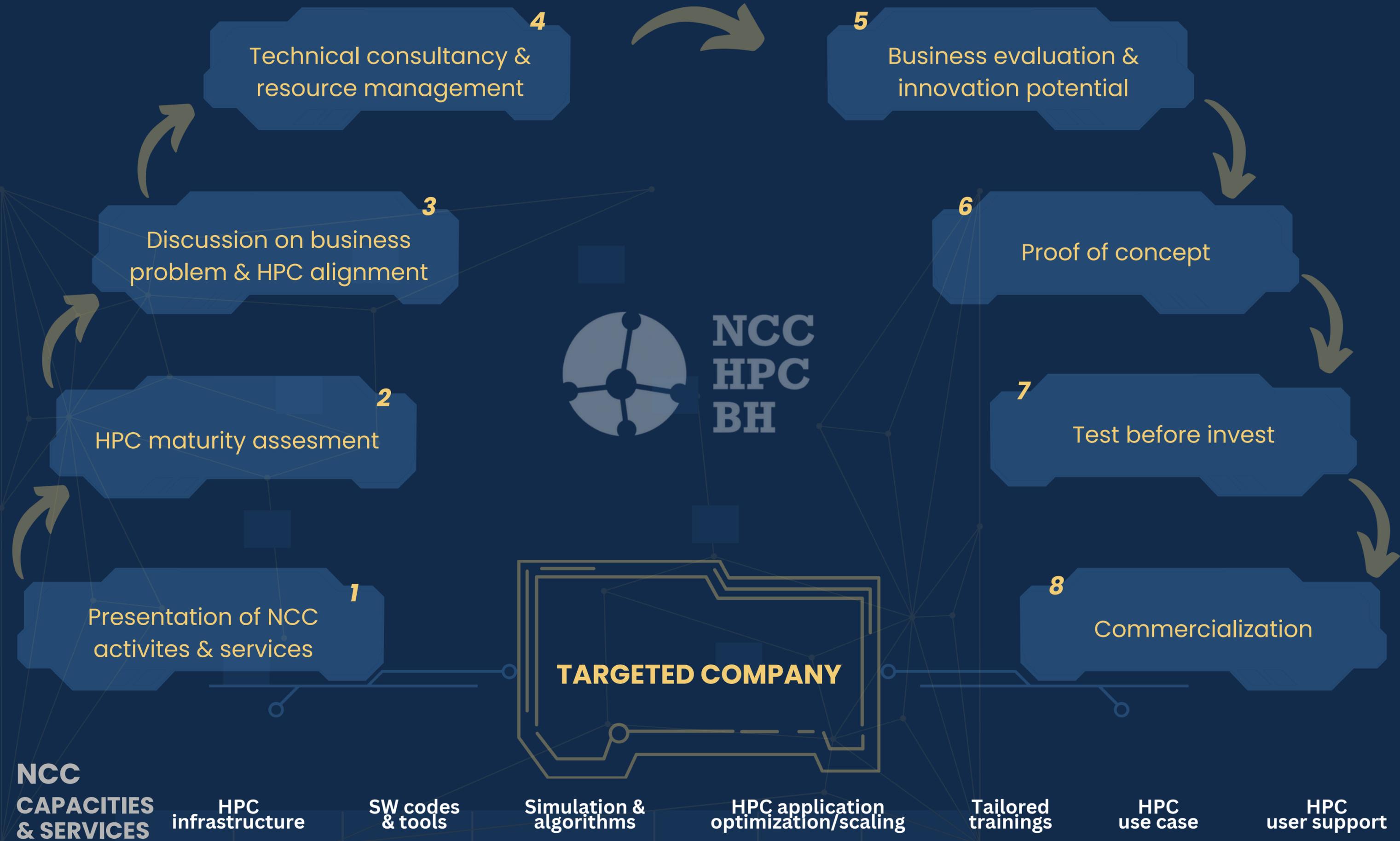Consultation,implementation, validation, HPC access, resources and storage

NCC HPC BH

HPC PACKAGE 2

Consultation,training,improvement of HPC/HPDA/AI codes, implementation on HPC resources, testing, validation, optimization

INDUSTRY INTERACTION PROCESS

4 Technical consultancy & resource management

5 Business evaluation & innovation potential

3 Discussion on business problem & HPC alignment

6 Proof of concept

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2 HPC maturity assesment

7 Test before invest

1 Presentation of NCC activites & services

8 Commercialization

TARGETED COMPANY

NCC CAPACITIES & SERVICES

HPC infrastructure | SW codes & tools | Simulation & algorithms | HPC application optimization/scaling | Tailored trainings | HPC use case | HPC user support

PUBLIC ADMINISTRATION INTERACTION PROCESS

1 INNOVATION POTENTIAL AND NEEDS ASSESSMENT

2 TECHNICAL FEASIBILITY AND CUSOMIZED SOLUTIONS

3 EXPERT TECHNICAL COSLUTATIONS

4 HPC ACCESS AND DEPLOYMENT WITH SUPPORT

5 PROFESSIONAL TRAINING PROGRAMS

6 STRATEGIC CONSULTATION AND FUNDING SUPPORT

7 COMPREHENSIVE SOLUTION PACKAGES

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ACADEMIA INTERACTION PROCESS

1
INNOVATION POTENTIAL AND NEEDS ASSESSMENT

2
TECHNICAL FEASIBILITY AND CUSOMIZED SOLUTIONS

3
EXPERT TECHNICAL COSLUTATIONS

4
HPC ACCESS AND DEPLOYMENT WITH SUPPORT

5
TRAINING AND CAPACITY BUILDING

6
LONG-TERM RESEARCH SUPPORT

7
PROOF OF CONCEPT AND COMPREHENSIVE SOLUTIONS

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BH

HPC DEPLOYMENT TIMELINE
User familiar with HPC

1 MONTH

1 HPC USAGE REQUEST

2 REQUEST EVALUATION

3 CUSTOM HPC CONFIGURATION

4 HPC ACCESS AND DEPLOYMENT WITH SUPPORT

1-6 MONTHS

3 MONTHS

6 PROJECT FINALIZATION & REPORTING

7 RESEARCH PAPER & SUCCESS STORY

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HPC DEPLOYMENT TIMELINE
User not familiar with HPC

1 MONTH

1 HPC USAGE REQUEST

2 REQUEST EVALUATION

3 CUSTOM HPC CONFIGURATION

1-3 MONTHS

4 CODE OPTIMIZATION

3-9 MONTHS

5 HPC ACCESS AND DEPLOYMENT WITH SUPPORT

6 PROJECT FINALIZATION & REPORTING

7 RESEARCH PAPER & SUCCESS STORY

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HPC DEPLOYMENT TIMELINE
Solution development

1-3 MONTHS

3-6 MONTHS

1 USE-CASE DEFINITION

2 DATA DEFINITION AND TECHNICAL SPECIFICATION

3 CUSTOM HPC CONFIGURATION

4 SOLUTION DEVELOPMENT & HPC DEPLOYMENT

3-9 MONTHS

5 VALIDATION

6 PROJECT FINALIZATION & REPORTING

7 RESEARCH PAPER & SUCCESS STORY

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