



AI Strategy – In Brief

Table of Contents

1	The Essence of AI at Aker BP: Why AI, Why Now?	2
2	Unveiling AI's Potential Across Aker BP: Objectives and Key Directives.....	2
2.1	Aker BP AI Strategy directives	2
2.2	AI Operations & Technology: Our Workings and Innovations: Themes & Guiding Principles	3
2.3	Executing Our AI Vision: Execution Guidelines	3
3	AI in Motion: A Seamless Operational Model: The Hub-and-Spoke Model	4
4	Marching Forward: The Next Steps in Our AI Journey	4
5	Navigating through Risks: Mitigating & Managing Risks	4

1 The Essence of AI at Aker BP: Why AI, Why Now?

At Aker BP, we aspire to lead the energy sector into a data-driven future. AI is a catalyst for this journey - enhancing decision-making, boosting efficiency, and cutting costs across all our business units and assets. Our journey with AI is about balancing innovation with responsibility, ensuring that as we forge ahead, we do so with a sharp vision, strategic alignment, and utmost integrity. With this strategy, Aker BP not only commits to a future where AI drives operational excellence and innovation but also ensures that this journey is guided, safe, and responsible.

Our AI strategy is a dynamic blueprint, guiding us to smart, swift, and safe decisions in AI development and adoption. As a living document, it establishes a roadmap to ensure our AI efforts are focused, principled, and adaptive to changes and opportunities in our strategic direction.

2 Unveiling AI's Potential Across Aker BP: Objectives and Key Directives

We aim to seamlessly integrate AI applications within our industrial settings and business objectives. Our strategy introduces a framework that aligns with Aker BP's reference architecture, cloud, and data strategies, as well as other key technological enablers such as the digital twin concept. We have outlined key directives like establishing an AI Hub, ensuring responsible and transparent AI use, forming external partnerships, and others, ensuring our approach is thorough, responsible, and collaborative.

2.1 Aker BP AI Strategy directives

1. **AI Hub Establishment:** Aker BP aims to develop an AI Hub to streamline AI use-case creation and deployment and promote knowledge-exchange across all BUs and Assets, also ensuring alignment with their overall AI strategy. Speed and aligned direction of execution is a key component of our strategy.
2. **AI Assessment:** Assess the organization's AI maturity and identify needs via the AI Hub. Formulate technology and organizational transformation strategies.
3. **Architecture Adherence:** Follow Reference and Enterprise Architecture guidelines when adopting AI.
4. **Organizational Structure:** Aker BP aims to enhance AI competence and nurture an AI community by following P&O structures, offering targeted training, and developing recruitment and university partnerships.
5. **AI Use Case Ownership:** Foresee ownership of AI projects in Aker BP BUs.
6. **Responsible AI:** Aker BP is committed to adopting a responsible AI use framework, implementing a risk register, enhancing transparency, and collaborating on industry AI regulations, integrated into existing BMS processes.
7. **Explainable AI:** Adopt a framework ensuring transparency and interpretability of the AI systems' output decisions and actions.
8. **Data Strategy:** Formulate a data strategy that supports the AI strategy.
9. **Digital Twin Concept:** Will incorporate the AI strategy in the twin concept and implementation of derived twin systems.
10. **License to Operate:** Leverage assets and Yggdrasil as front-runners for adoption.

11. **AI Ops Platform:** Aker BP aims to create an AI platform for AI solutions, aligning with its core principles and establishing governance for data and models, while providing guidelines for prioritizing and selecting AI technologies and use-cases within an Azure-based infrastructure.
12. **Industry Collaboration:** Partner with regulatory and governmental bodies, as well as vendor and alliance partners on development and deployment of AI solutions.
13. **AI Training:** Educate the organization about AI's potential and risks.
14. **Quarterly Review:** Revise the AI strategy via the AI Hub every quarter.
15. **Open-source Support:** Advocate and evaluate open-source AI software and models.
16. **Aker AI Collaboration:** Aker BP commits to enhancing synergies by collaborating on AI solutions with Aker AI initiatives and companies, prioritizing knowledge sharing within the Aker AI group, and supporting alliance companies in AI adoption.
17. **External Partnerships:** Form alliances with academic institutions and research bodies for innovative AI insights.
18. **Talent Acquisition:** Prioritize hiring and retaining top AI talent.
19. **Sustainability:** Consider environmental impacts and integrate AI solutions that support sustainability goals
20. **Knowledge Repositories:** Maintain centralized databases or platforms where AI knowledge, documentation, and best practices are stored for easy access.
21. **Public Communication:** Establish a communication strategy to inform the public and stakeholders about AI initiatives and their implications.

2.2 AI Operations & Technology: Our Workings and Innovations - Themes & Guiding Principles

Emphasizing five strategic themes—AI Operations, Technology, Partnerships/Ecosystem, People, and Responsible AI—we aim to navigate through AI adoption strategically and responsibly. Whether it is developing an AI Ops platform, choosing between building, or buying AI use-cases, or ensuring a risk-managed adoption of AI, these themes guide our actions, ensuring our journey with AI is safe, innovative, and responsible. These themes will be updated according to changes in the existing Enterprise & Reference Architecture, as well as Aker BP business strategy.

2.3 Executing Our AI Vision: Execution Guidelines

We believe that excellent execution is a competitive advantage. Guidelines including deciding when to build or buy technology, engaging with open-source AI models, adopting a strategic approach to use-case development, and prioritizing data accessibility and integrity, guide our way forward, ensuring our steps in AI are not only innovative but also well-structured and risk-averse.

1. **Buy vs. Build:** Make tech acquisition decisions aligning with strategic objectives, choosing to build only for significant advantages.
2. **Engagement with Open-Source:** Advocate for the use, creation, and contribution to open-source AI projects to foster talent development.
3. **Strategic Approach to Use-Case Development:** Define use-cases as offensive, defensive, or outsourced in alignment with Aker BP's strategic and technological stance.
4. **System Prerequisites:** Identify and establish specific requirements before implementing AI systems.

5. **Accessible Data Framework:** Ensure data is both easily accessible and responsibly categorized across the organization.
6. **Data Integrity and Infrastructure:** Prioritize obtaining high-quality data and establishing a sturdy infrastructure for efficient AI.
7. **Success Metrics:** Implement clear, trackable benchmarks for AI contributions to strategic objectives, managed by business units and the AI hub.

3 AI in Motion: A Seamless Operational Model - The Hub-and-Spoke

The AI hub, formed by delegates from various BUs, acts as a central unit that steers strategic AI initiatives. By facilitating communication and promoting knowledge sharing across BUs, this model ensures consistency, alignment, and risk-minimization in our AI initiatives without acting as a bottleneck or a hierarchical barrier.

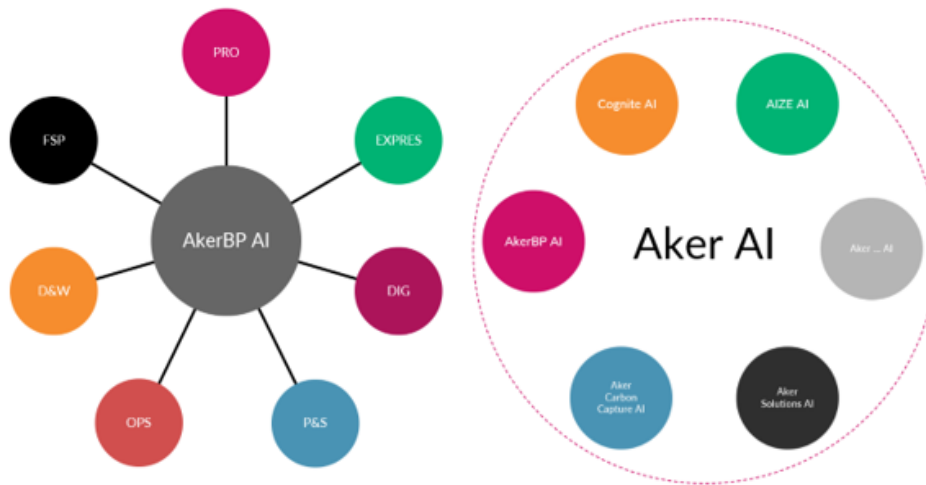


Fig. 1. Relationship between the Aker BP AI strategy and the business units and between Aker Alliance Company AI units.

4 Marching Forward: The Next Steps in Our AI Journey

After aligning and communicating our AI strategy internally and externally, we will map internal AI initiatives and keep a close eye on relevant external AI developments. With a continued focus on developing the AI Ops platform and establishing a robust operating model, we will remain agile, revising our strategy and adjusting our steps as needed.

5 Navigating through Risks: Mitigating & Managing Risks

Acknowledging and addressing the potential operational, legal, and reputational risks associated with AI is paramount. Our comprehensive approach emphasizes ethical considerations, bias mitigation, and cybersecurity, ensuring that our AI systems are developed and operated transparently, ethically, and securely.