

HUMaN(AI)ZE

An open Al approach to BJARKE INGELS GROUP



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WORK5

A "BIG" NET

CLIENT5

Bjarke Ingels' projects showcase a mix of bold design, functionality, and sustainability. Through prototyping, he redefines architectural norms by pushing boundaries and experimenting with new forms, materials, and structures. His works can be classified as the following:







■ Diagonals and mountain metaphor









■Stepped pixels







■Breaking of the form











■Bending of the mass





MECA

■ Slit and holes opening to mass



Helical ramps and spiral tendencies

These partnerships include tech giants Cap/taLand

Bjarke Ingels Group (BIG) has consistently

partnered with some of the most influential

clients in the world, forging collaborations

that have redefined architecture and urbanism.





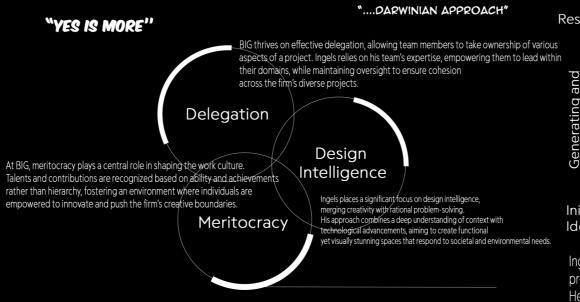


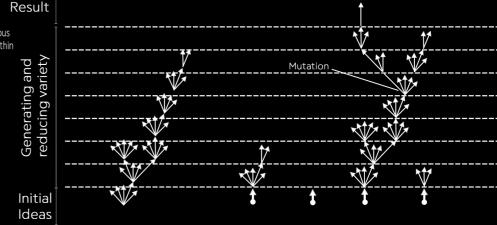


ETHIC5 CULTURE

"HEDONISTIC SUSTAINABILITY"

METHODOLOGY



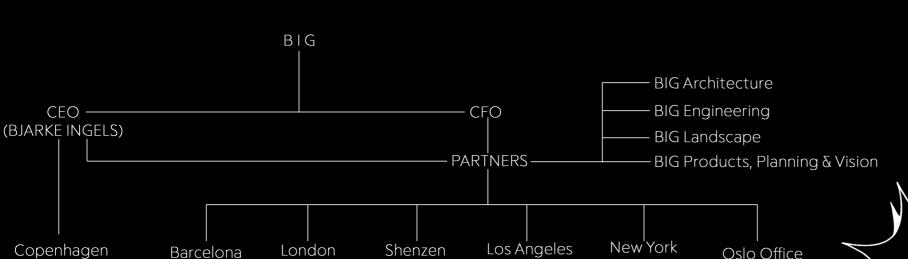


Ingels employs a Darwinian method in his approach to architecture, where designs evolve through a process of adaptation to their environment.

He believes in trial, error, and refinement, letting ideas compete and adapt to their surroundings, leading to the most resilient and functional design solutions.

"YES IS MORE!"

BIG'S CORPORATE **STRUCTURE**



office

office

of autonomy and innovation.

and collaboration across all levels of the firm.

BIG operates with a more fluid, flexible approach.

and refined without being constrained by rigid authority.

office

BIG's corporate structure is notably decentralized, encouraging creativity

Unlike traditional architecture firms where decision-making is often hierarchical,

This decentralized model fosters a culture where ideas can be tested, adapted,

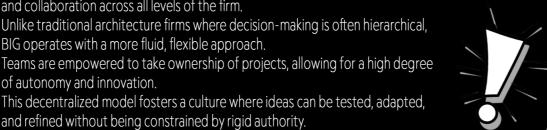
COMMUNICATION STRATEGY

Bjarke Ingels' approachable demeanor and engaging smile have significantly influenced BIG's communication strategy. making complex architectural concepts more accessible and relatable to a broader audience. His openness and enthusiasm have been instrumental in demystifying architecture, fostering a deeper connection between the firm and the public.

PERSONALITY - DRIVEN MARKETING



BIG employs storytelling as a central element in their projects, transforming architectural designs into compelling narratives that resonate with clients and the public. This approach not only conveys the functional aspects of their designs but also highlights the emotional and experiential qualities of the spaces they create.



The firm fosters connections by engaging with diverse audiences through various platforms, including public lectures, interactive exhibitions, and digital media. This engagement cultivates a community around their projects, encouraging dialogue and feedback that enrich the design process.

FOSTERING CONNECTIONS



office

Managing

Directors

Design

Directors

Project Leaders

Senior Architects

Junior Architects

Interns

WIN5

office

office

Managing

Directors

Desian

Directors

Project Leaders

Senior Architects

Junior Architects

Interns

Ingels has won an incredible amount of awards. Among the most relevant there are the Nykredit Architecture Prize, which is the largest Danish architecture prize; European Prize for Architecture, given annually to any living architect whose built work exemplifies the highest ideals of European civilization and embodies the vision and for the social and physical environment (The European Center, s.d.), the Dreyer Honorary Award, the Danish Crown Prince Couple's Culture Prize, the French Academy of Architecture Prix Delarue Award, 40 Under 40 Award, and The National German Sustainability Award Honor Award.

Although Ingels did not receive the most important award of all (the Pritzker), the quantity and constance with which the architect is recognized with prizes, definitely make up for the lower relevance

... DIAGRAMMING & MERGE VIDEO CONTENT

BIG's innovative use of diagrams, videos, and comic content serves as a powerful communication tool, simplifying complex architectural ideas and making them more digestible. This method enhances understanding and appreciation of their designs, setting BIG apart from traditional firms that may rely solely on technical drawings and models.

HOW IS AI IMPACTING THE ARCHITECTURE WORLD?

To simplify our study we'll start by examining is Al shaping the future of management in big architectural firms, then we will move on to the design part, discussin both design stages and scotrs as follows:

Firm processus

-Public relations

-Business Development

-Financial management

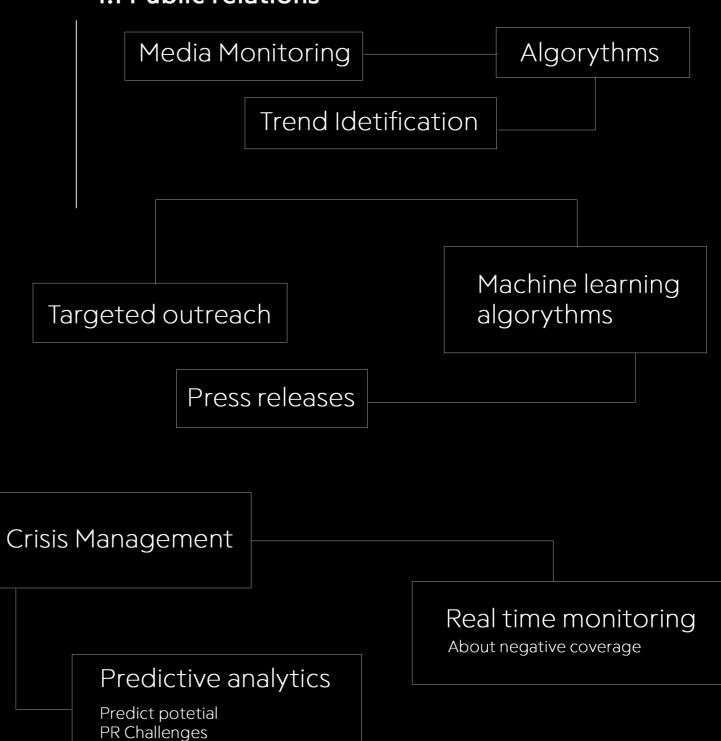
Design

Design process

-Design factors

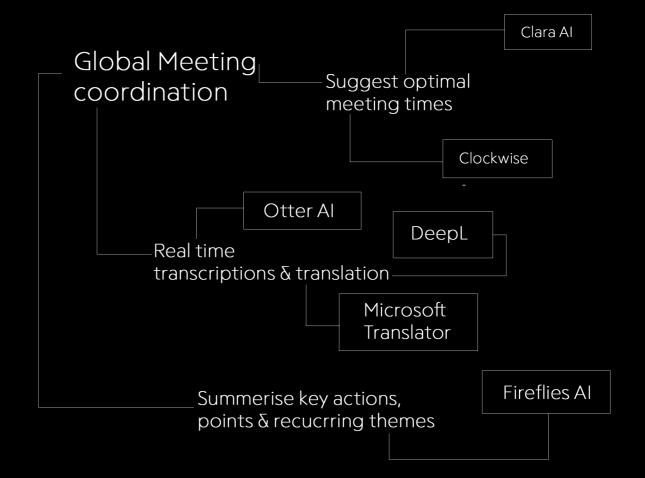
FICM Processus

1.1 Public relations

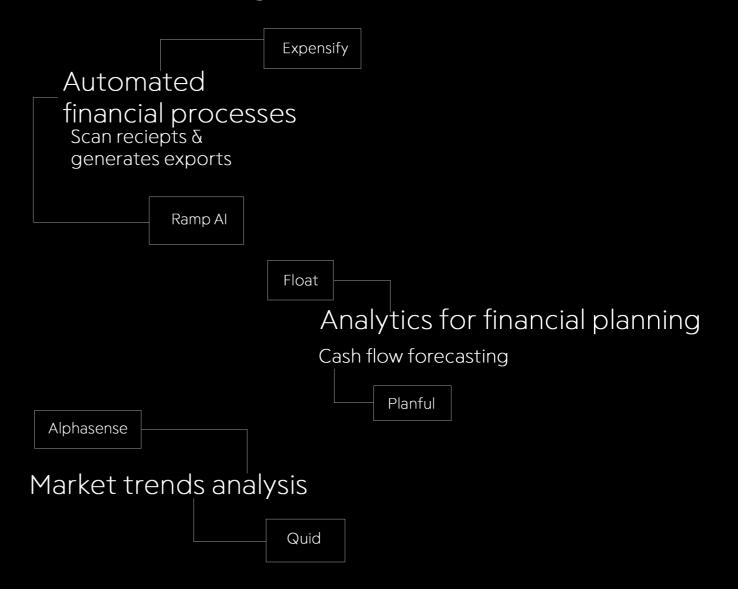


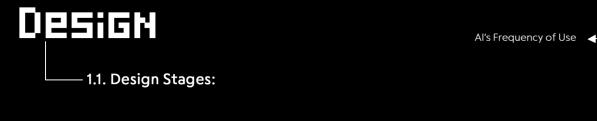
2.2 Business Develoment

CB Insights **Emerging Markets Predictions** Quid Al Analyse real estate & predict emerging markets Salesforce Einstein Clients relationship Hubspot Al management Tailor proposals δ deal closures LinkedIn Sales Networking & partnerships Find potential clients, developers , & Investors Navigator Al



2.3 Financial Management





Al plays a crucial role in various design stages by enhancing decision-making, optimizing workflows, and ensuring accuracy. Below are key Al patterns and their applications in different phases of the design process.

Hypersonalization Pattern

This pattern provides detailed information about the project, including similar case studies, user preferences, customer needs, and available technologies. It is primarily used in the pre-design stage, assisting in defining the design problem and documenting relevant data and information.

Pattern & Anomaly Detection

Al identifies relevant references, recurring design patterns, and potential conflicts in architectural elements. This helps refine the design process and ensure accuracy. It is applied in both the pre-design stage for problem definition and data documentation and the design stage during the development of design ideas.

Predictive Analytics and Decision Support

Al-driven data models analyze project parameters, predict future outcomes, and assist in making informed design decisions. This is used in the pre-design stage to define the design problem and in the design stage for idea development and planning, including the review and approval of design plans.

Recognition Pattern

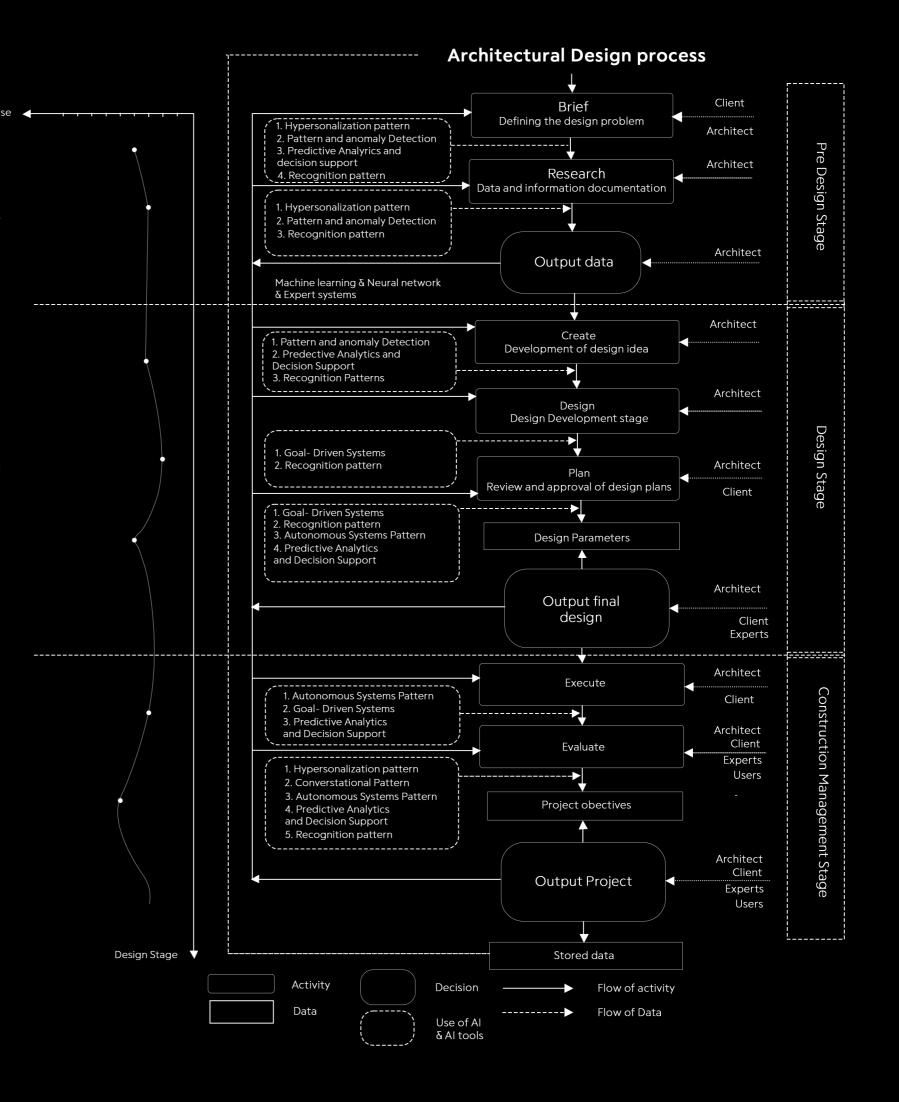
Through natural language processing (NLP), AI gathers information about potential solutions, simulates multiple design alternatives, and aids in documentation. This is beneficial in the pre-design stage for defining design problems and data documentation, as well as in the design stage for idea development, design refinement, and planning approvals.

Goal-Driven Systems

Al ensures that design proposals align with required goals and industry standards by analyzing past data and performance metrics. This is mainly used in the design stage, specifically during design development and the planning review process.

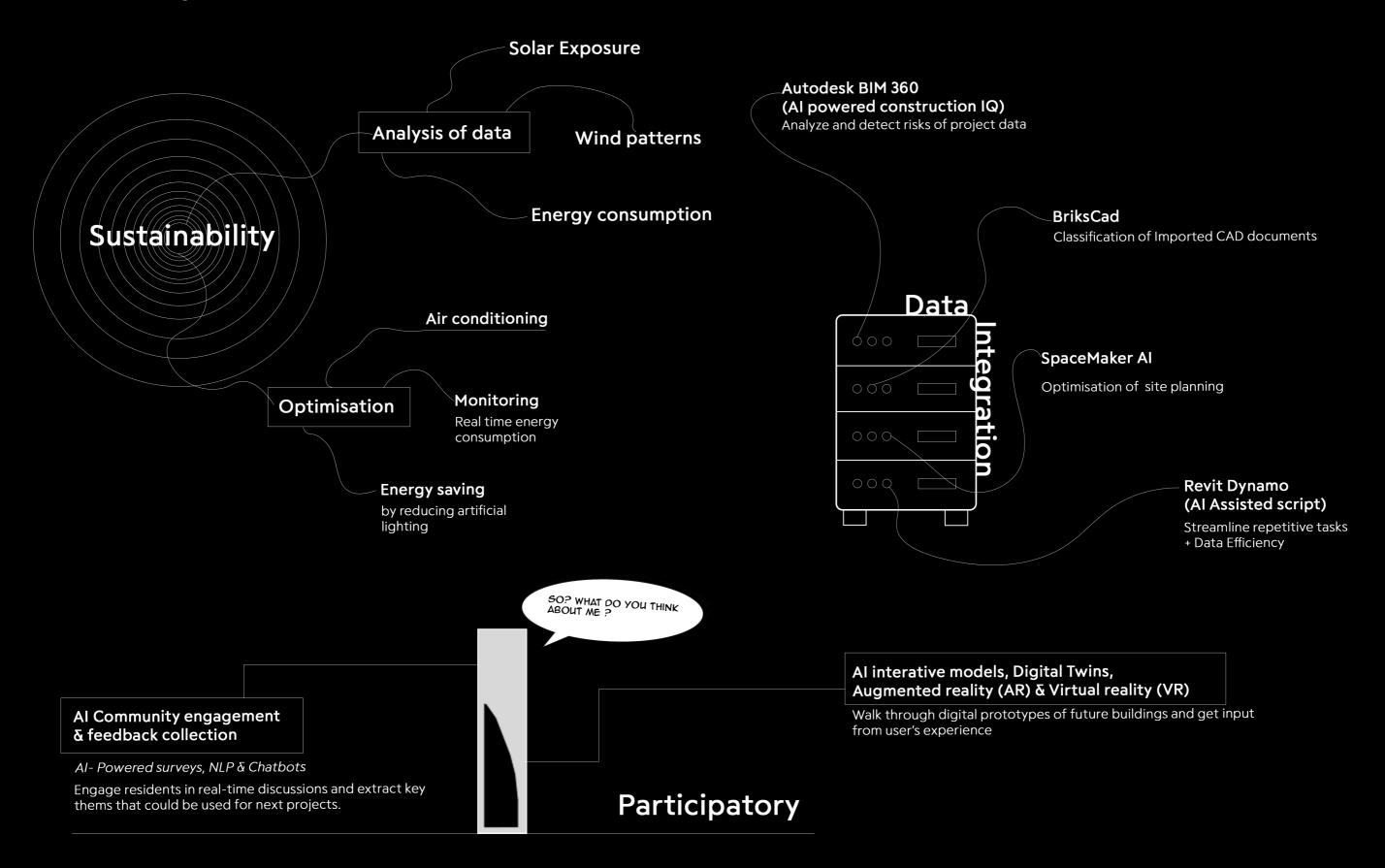
Autonomous Systems Pattern

Al-powered autonomous systems streamline finalizing design documents, automate construction monitoring, and detect errors in real-time. This pattern plays a crucial role in the design stage for planning approvals and extends into the construction management stage, particularly during project execution.

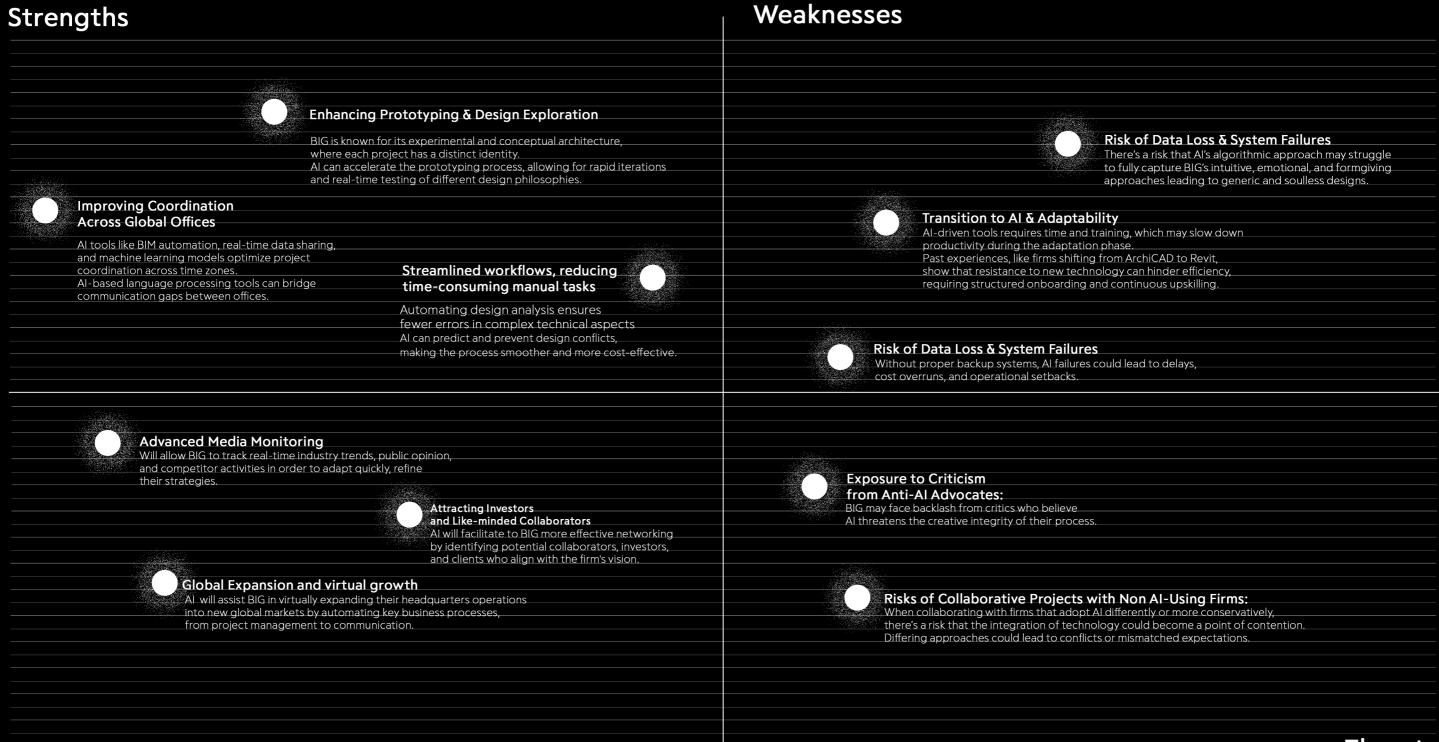


Design

1.2. Design Factors:



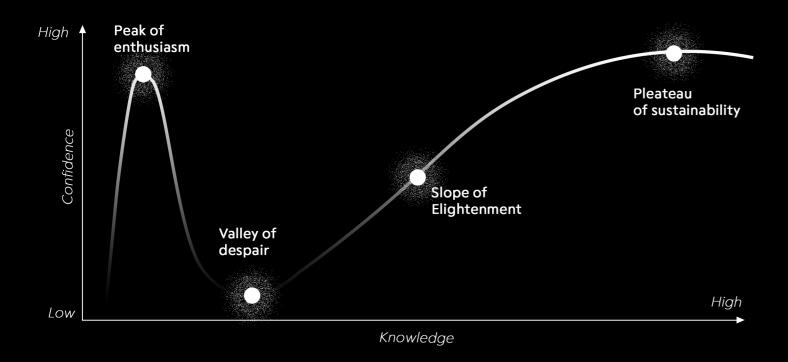
BIG X AI: A SWOT ANALYSIS :



Opportunities Threats

HUMAN (AI) ZE WIEH BIG:

1.1. The Dunning Kruger Effect:



Implementing AI in BIG is a no-brainer, as the firm has enough resources to do so and excel at it.

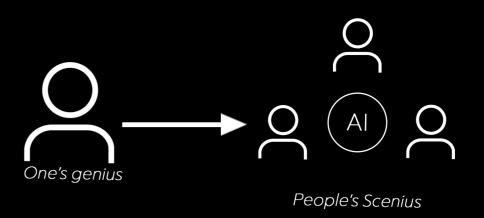
What should really be challenging is how the staff will adapt to it.

In large corporate changes like this, we often focus on the technical aspects while forgetting that these tools were made for us to work with. The real focus should be on the people working with these new tools. That's why my approach to AI at BIG should be as human-centered as possible. The Dunning-Kruger effect could be well employed in this scenario,

as it helps explain how a person deals with change, and in this case, it's very much legitimate. Before staff are introduced to these tools, they should FIRST be introduced to how to handle change within a corporate architectural framework.

This will ensure everyone is on the same level of understanding and adaptability.

1.2. Bian Eno's Scenius:



In the context of architecture, AI tools can act as collaborative partners that enhance the creative process. Instead of merely automating tasks, AI could facilitate new ways of designing, problem-solving, and iterating by offering suggestions, generating alternative solutions, and assisting in the exploration of ideas. The "scenius" here would come from the interaction between humans and AI, where each influences the other and creates something greater than the sum of individual efforts.

