

AI IN PROJECT MANAGEMENT: TRENDS AND IMPLICATIONS

A brief overview of how artificial intelligence is transforming the field of project management

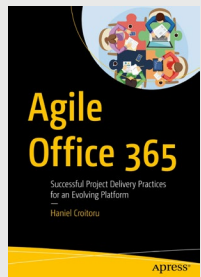
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Introductions



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Passionate about simplifying life

Business Applications MVP | Speaker | Author

#FlowInSixtySeconds

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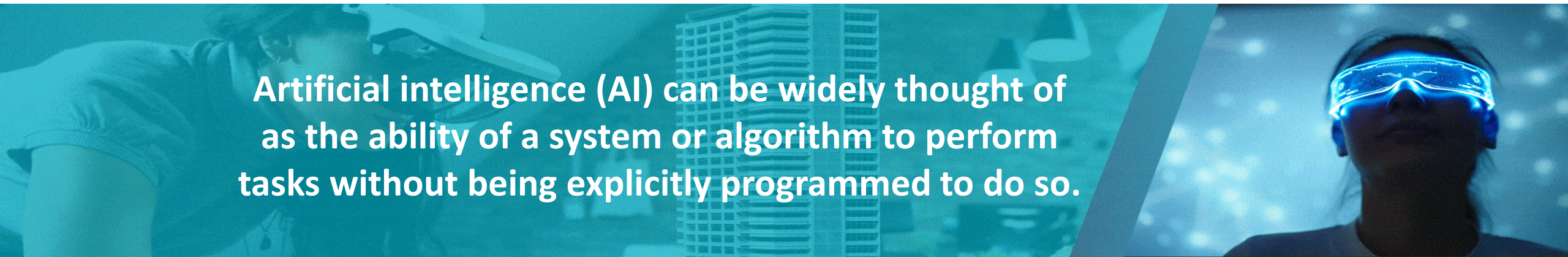
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What is AI

WHAT IS ARTIFICIAL INTELLIGENCE?

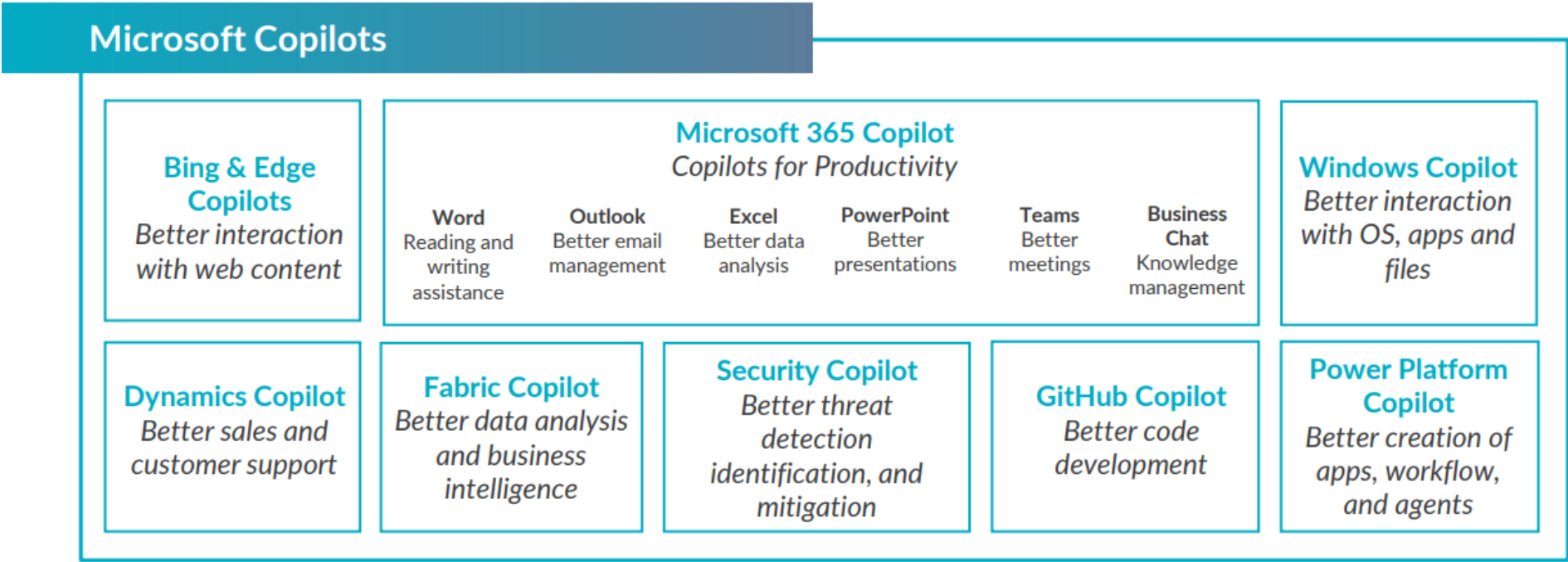
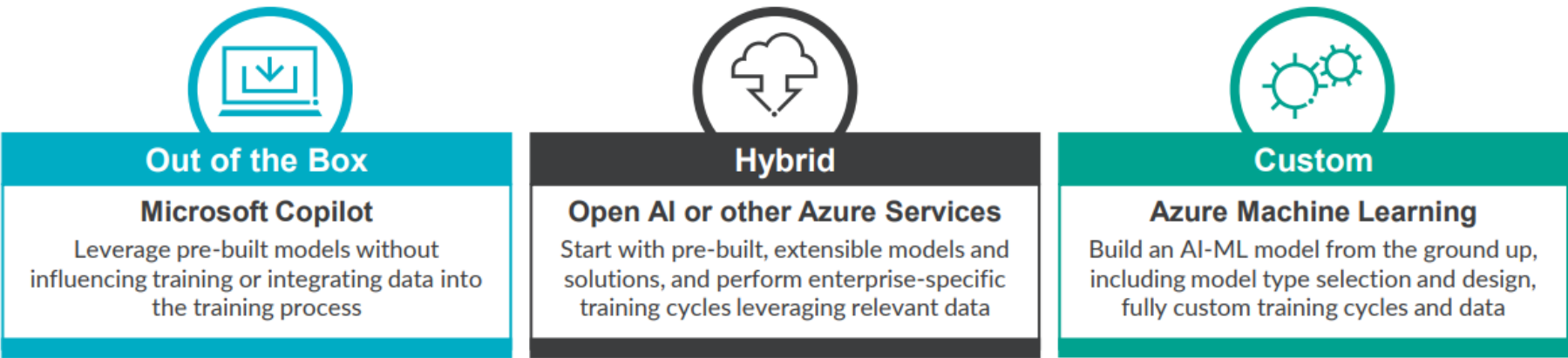


Artificial intelligence (AI) can be widely thought of as the ability of a system or algorithm to perform tasks without being explicitly programmed to do so.

AI Sub Types

Predictive Analytics	Computer Vision	Natural Language Processing	Robotics	Generative AI	Machine Learning	Deep Learning
Make predictions about future or otherwise unknown events	Interpret and transform images and video into more structured, consumable data	Comprehend “written” unstructured information	Operating physical robots autonomously or with minimal human intervention	Ability to create novel output	Using algorithms to improve task performance over time	Specialized machine learning using neural networks to learn complex patterns
Demand Forecasting, Financial Forecasting	Facial Recognition, Autonomous Vehicle	Siri, Alexa, Google Assistant, Google Search	Plant Assembling, Harvesting, Surgical	Image Synthesis, Text Generation	Email Spam Detection, Recommendations	Subset, Learn and Make Predict

Leveraging the right tools

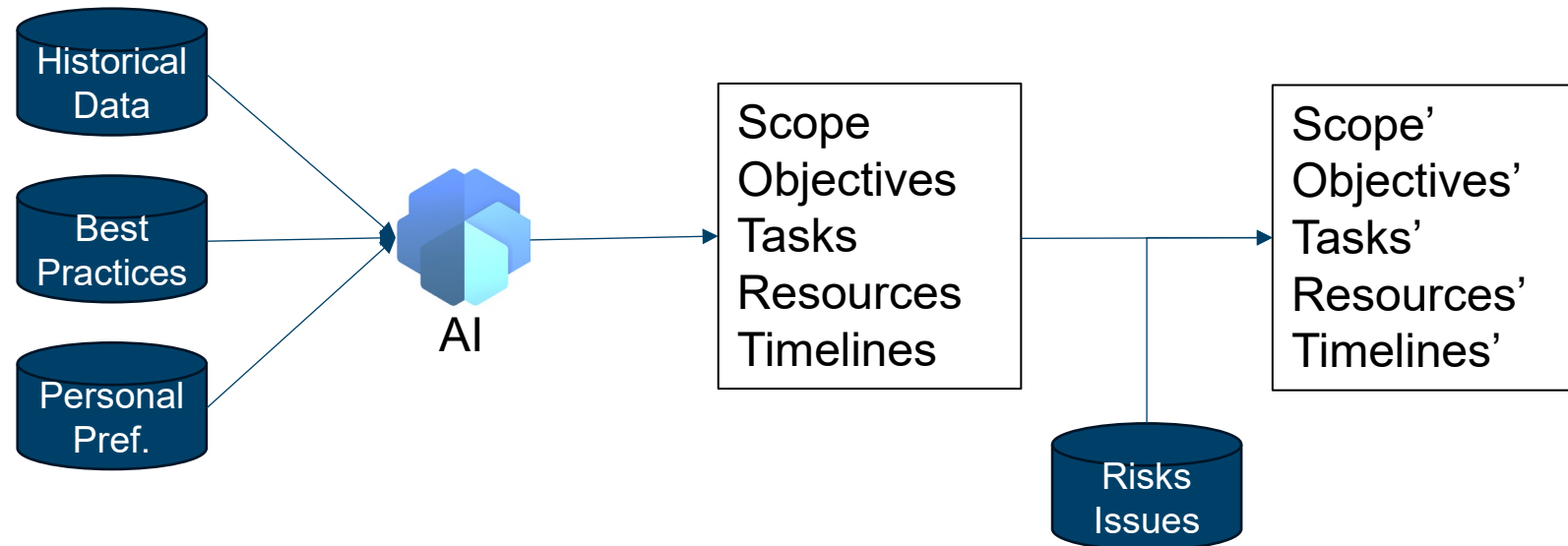


Latest Trends for AI in Project Management



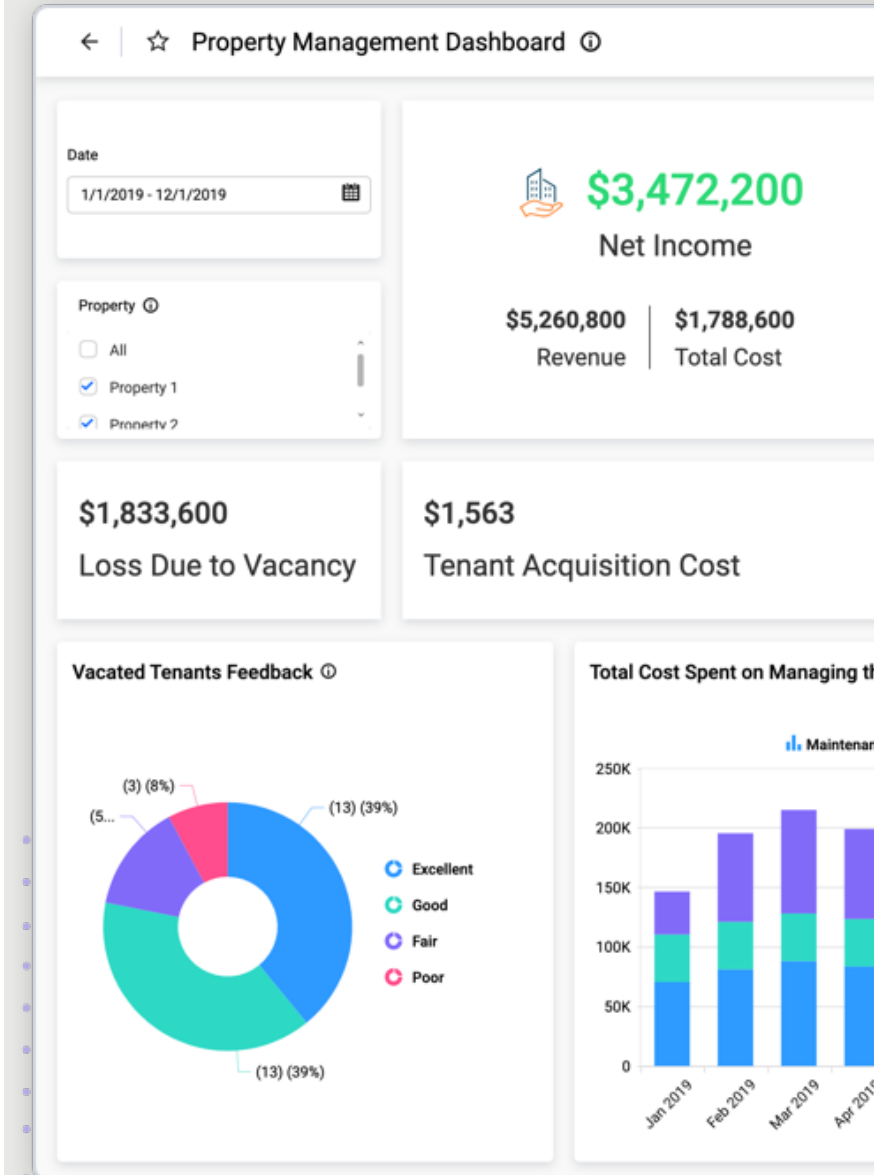
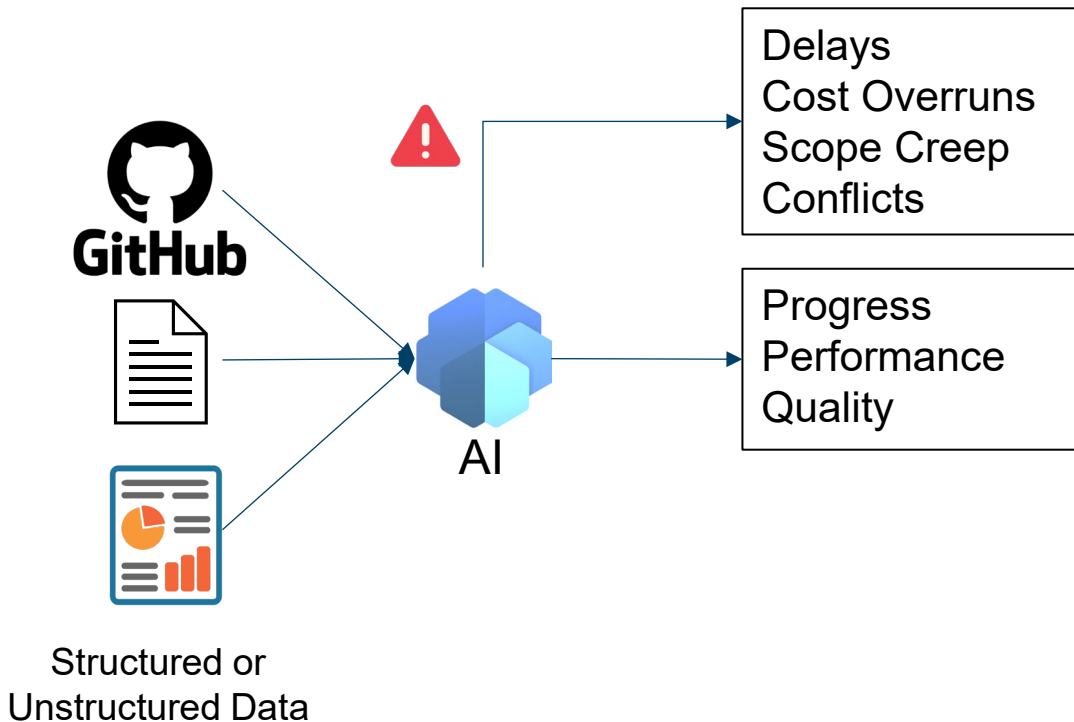
AI for Project Planning and Scheduling

- Define scope, objectives, tasks, resources, and timelines of a project, based on historical data, best practices, and stakeholder preferences.
- Optimize the project plan and schedule, by considering various constraints, risks, and uncertainties, and suggesting alternative scenarios and trade-offs.



AI for Project Monitoring and Control

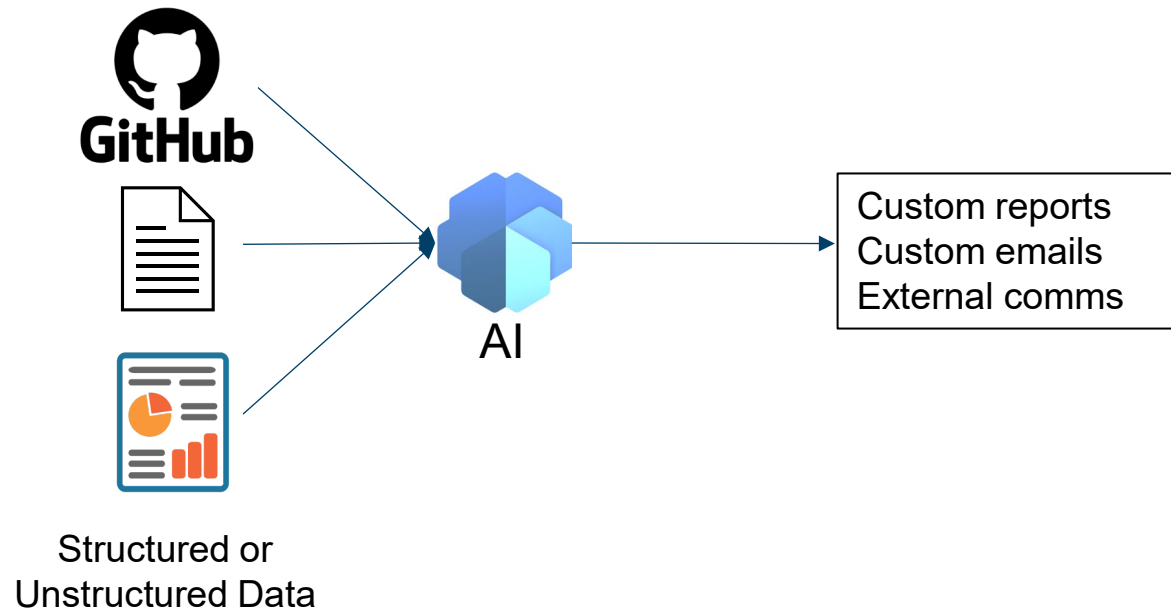
- Track the progress, performance, and quality of a project, by collecting and analyzing data from various sources, such as sensors, documents, reports, and feedback.
- Detect and prevent potential issues, such as delays, cost overruns, scope creep, and conflicts, by alerting project managers and providing recommendations for corrective actions.





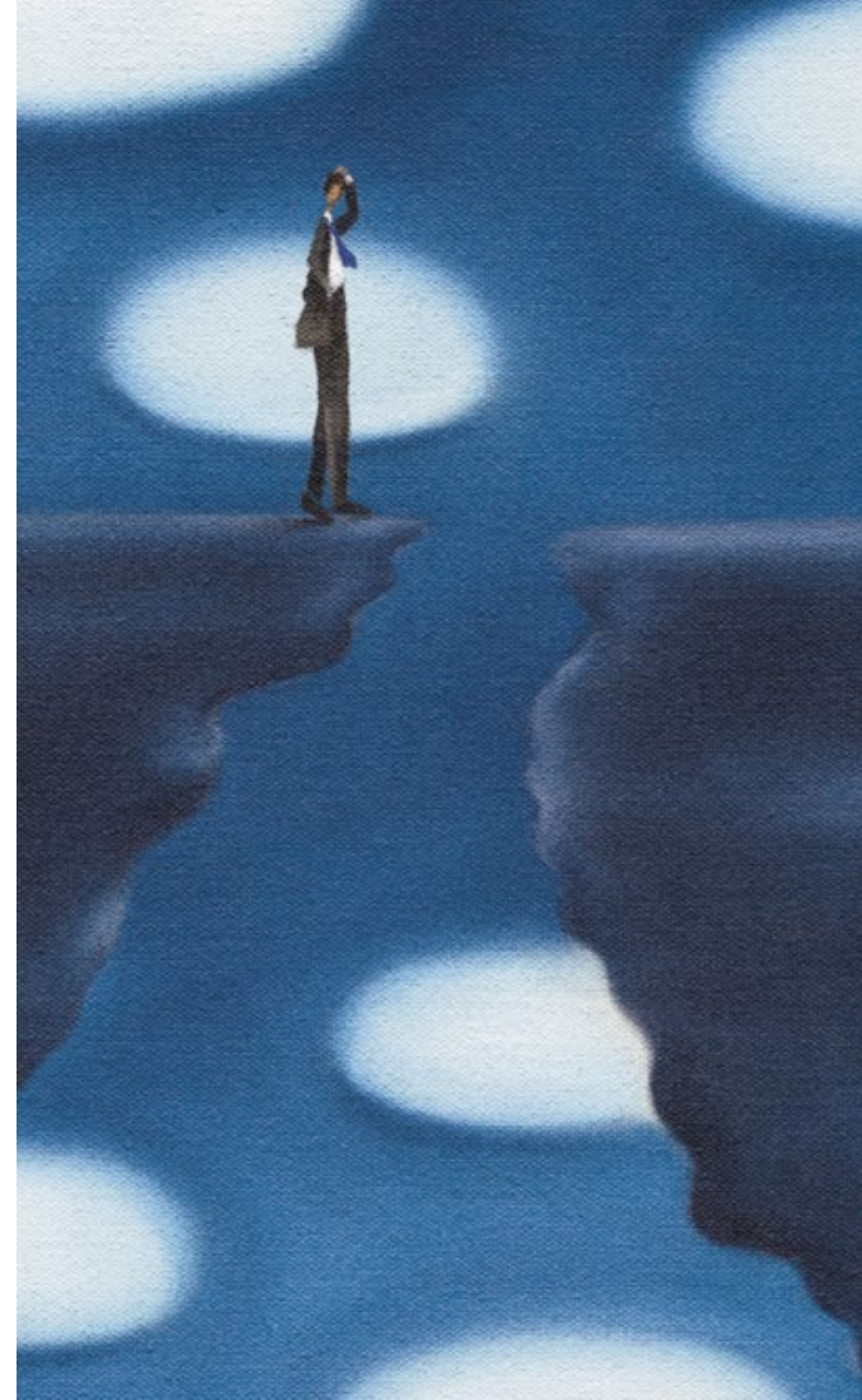
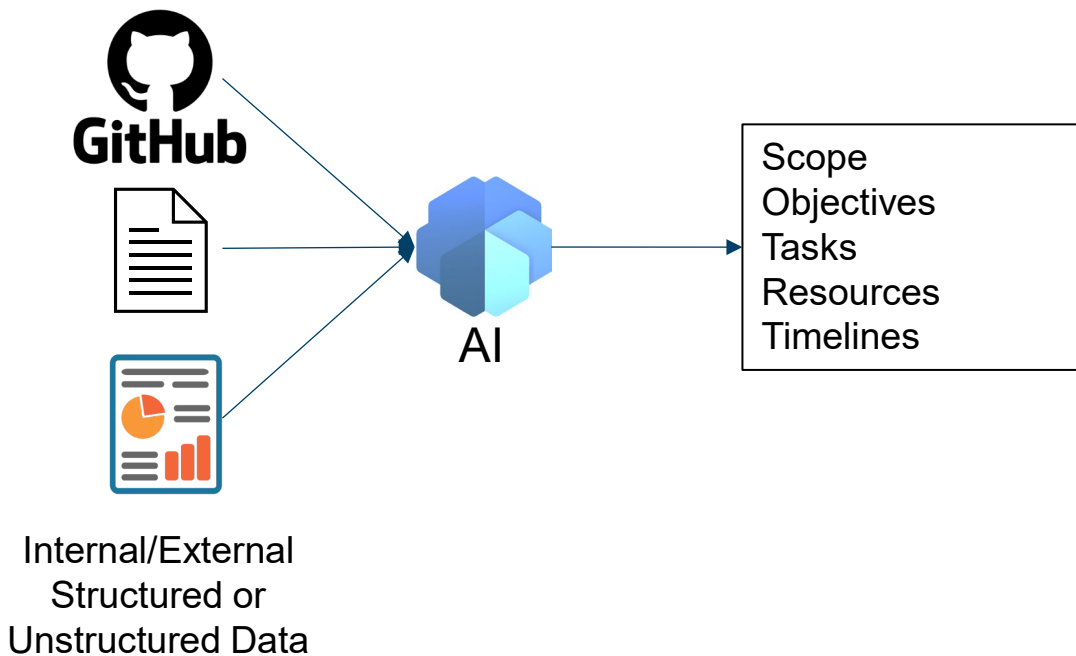
AI for Project Communication and Collaboration

- Communicate and collaborate more effectively, by facilitating information sharing, knowledge management, and decision making.
- Enhance the communication and collaboration with external stakeholders, such as customers, suppliers, and regulators, by providing personalized and timely information, feedback, and support.



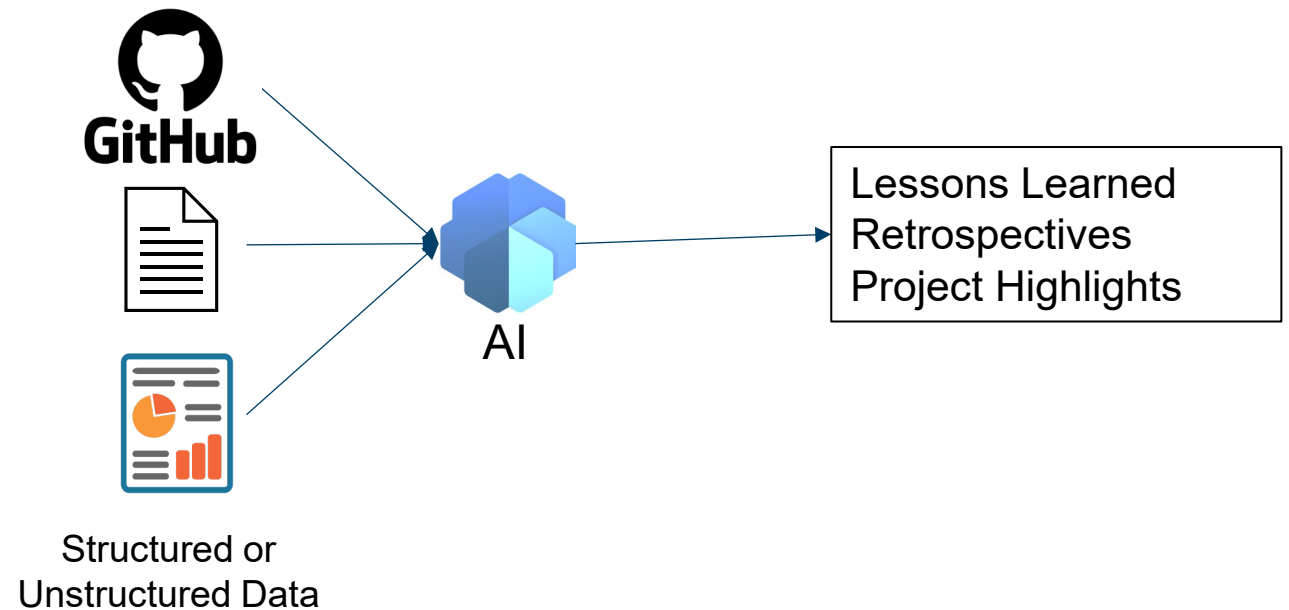
AI for Project Risk and Change Management

- Use data-driven and probabilistic methods to Identify, assess, and mitigate the risks and changes that may affect a project
- Anticipate and adapt to the changes in the project environment, such as market trends, customer needs, and technological innovations, by providing insights and foresights.



AI for Project Learning and Improvement

- Learn from their experiences and improve their skills and competencies, by providing feedback, coaching, and training.
- Improve the project management processes and practices, by capturing and transferring the lessons learned and best practices across projects and organizations



How AI is Affecting Project Managers and Other Stakeholders

*AI is not only a tool, but
also a partner and a
catalyst for project
managers and other
stakeholders*

Benefits for Project Team

Augment the human capabilities and capacities by providing data, analysis, and advice.

Automate and streamline the routine and repetitive tasks, such as data extraction, data entry, reporting, and documentation.

Influence the behaviors and attitudes of project managers and other stakeholders, by creating new opportunities and challenges, such as learning new skills, adopting new mindsets, and embracing new cultures.

Affect the trust, transparency, and accountability, by raising ethical, legal, and social issues, such as data privacy, security, and bias.

Create new roles and responsibilities, such as AI specialists, AI trainers, and AI ethicists, who can design, develop, and oversee the AI applications in project management.

Appendix



Haniel Croitoru

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AREAS OF EXPERTISE

- Business process optimization using Microsoft Power Platform
- Microsoft Teams
- SharePoint Online
- Microsoft Office 365 strategy, roadmap, design, and implementation
- Migration Planning & Execution

INDUSTRY EXPERTISE

- Public & Private sector industries, including
- Healthcare
- Financial Services
- Engineering
- Education
- Not For Profit

EDUCATION

- M.S. Computer Science – Queen's University
- B.S. (Hons.) Computer Science & Biology – York University
- Masters Certificate Project Management – York University

PROFESSIONAL MEMBERSHIPS & CERTIFICATIONS

- Member, Microsoft Valuable Professional (MVP) Program
- Project Management Professional (PMP)
- Agile Certified Practitioner (PMI-ACP)

PROFESSIONAL EXPERIENCE

Haniel is a seasoned consulting professional and Microsoft Business Applications MVP with over 20 years of experience in various verticals. He leads the Protiviti Power Platform practice with clients spanning the globe in many verticals. Since 2003 he has been focusing on Microsoft 365, delivering solutions and contributing as an enterprise architect, consultant, project manager, business analyst, and trainer.

In addition to his professional tenure he has always been a big proponent of sharing knowledge and giving back to the community through presenting at conferences and networking meetings on the topics of utilizing Microsoft 365 for various business verticals, SharePoint and business process optimization as well as managing projects. He recently published a book titled Agile Office 365, which focuses on agile project management practices as they are applied to Office 365 implementation.

Earlier in his career, Haniel spent nine years in the medical imaging industry where he was a key member of a team that launched an orthopedic software division for Merge Healthcare (now IBM) and published four patents and numerous articles in the field.

MAJOR PROJECTS

- Lead the Protiviti Power Platform practice globally, developing a Center of Excellence and nurturing the internal team of architects and developers.
- Lead digital transformation initiatives for one of Canada's largest food processing and distribution companies which includes migrating all their on-premises content to Microsoft 365, replacing paper-based or manual processes with automated ones, and setting up information protection and data retention policies across the organization.
- Lead design and implementation of a multi-year digital transformation for a Canadian non-profit organization with over 8,000 users, where one major focus area was the digitization of manual, paper-based processes into a digital, mobile-friendly user experience. The outcome of this project resulted in significant time and resource savings for these processes
- Architected and developed multiple enterprise-scale solutions using the Microsoft Power Platform, including multilingual and responsive apps to enhance business processes that require multiple stakeholders and process steps.
- Lead numerous Office 365 rollout Strategy and Discovery initiatives that focused on enterprise content management, communication and collaboration, security and compliance, and business process automation.
- Developed multiple Governance frameworks for Office 365 and specifically Microsoft Teams and Power Platform
- Designed and implemented various intranet solutions using SharePoint and other Office 365 applications, that resulted in better collaboration for organizationally and geographically-dispersed teams.

Who We Are

Protiviti (www.protiviti.com) is a global consulting firm that delivers deep expertise, objective insights, a tailored approach and unparalleled collaboration to help leaders confidently face the future. Protiviti and its independent and locally owned member firms provide clients with consulting and managed solutions in finance, technology, operations, data, digital, legal, HR, risk and internal audit through a network of more than 90 offices in over 25 countries.

Named to [the 2023 Fortune 100 Best Companies to Work For®](#) list, Protiviti has served more than 80 percent of Fortune 100 and nearly 80 percent of Fortune 500 companies. The firm also works with government agencies and smaller, growing companies, including those looking to go public. Protiviti is a wholly owned subsidiary of [Robert Half](#) (NYSE: RHI). Founded in 1948, Robert Half is a member of the S&P 500 index.

\$2.10

BILLION REVENUE IN 2023*



90+

OFFICES

25+

COUNTRIES

(AMERICAS, EUROPE, MIDDLE EAST,
ASIA-PACIFIC)



11,000+

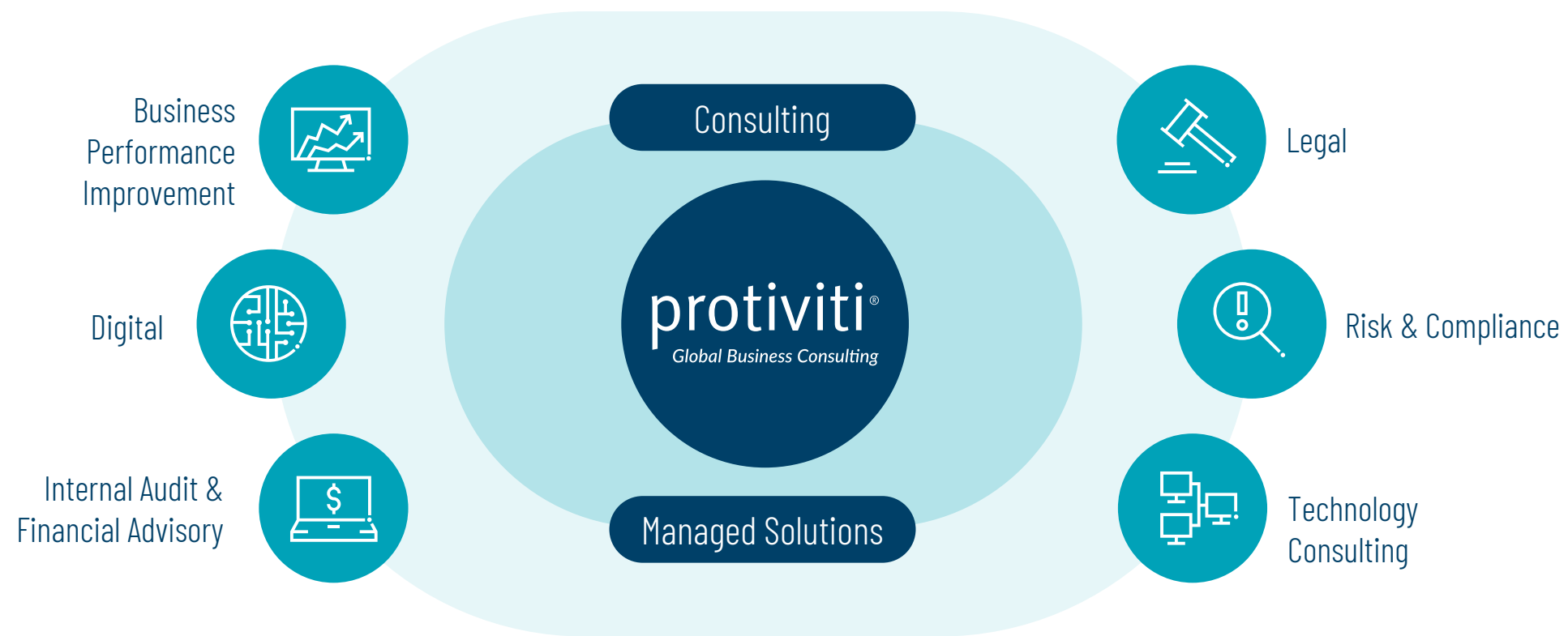
PROFESSIONALS

*Inclusive of Protiviti's Member Firm network

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Protiviti Solution Offerings

We provide end-to-end advisory and support services leveraging our six value-added solution families, each of which brings fully dedicated, global teams and has industry-specific expertise:



Protiviti Solution Offerings

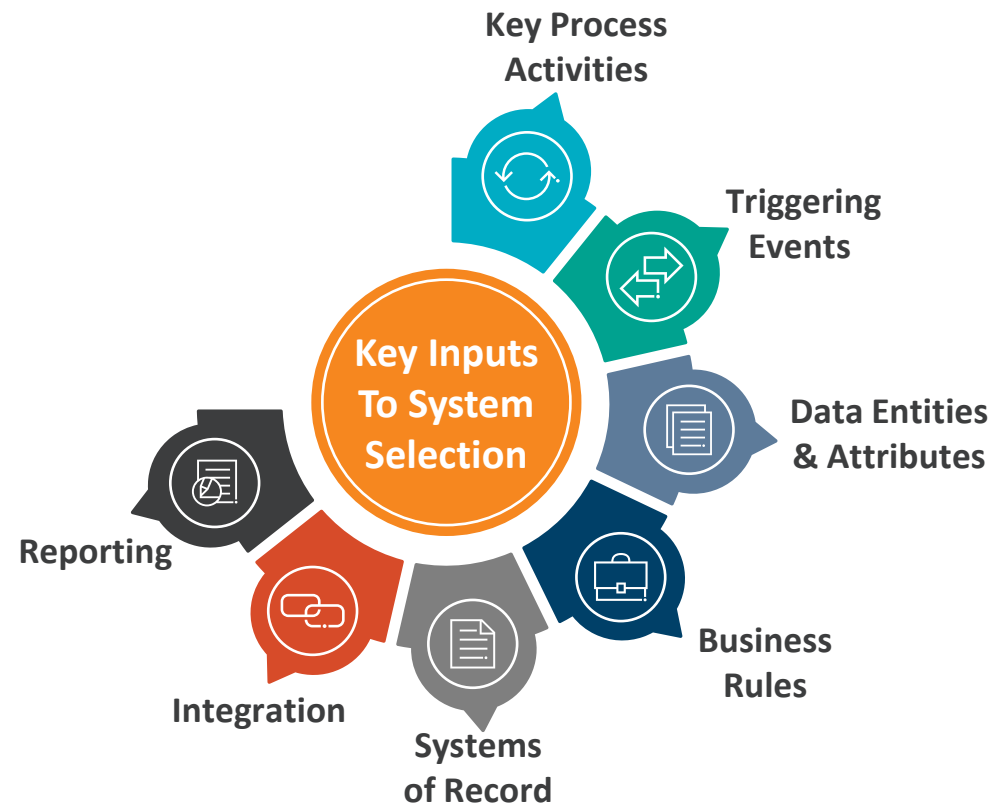
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Our Solution Design Approach to Systems Selection

Our approach at Protiviti is to view a system selection and implementation as part of a larger transformation initiative.

We come with a lens of not only looking to establish and transform your processes, but to also support your broader business transformation. Our requirements gathering process leverages 7 dimensions to help develop a clear future state vision:



Differentiators of Our Approach:

- *Increased process optimization & automation*
- *Integrated capabilities across multiple business processes and applications*
- *Assess reusability of existing business applications*
- *Development of unique demo scenarios*
- *Systems of records to create a lean data environment and efficient data access governance*
- *Reporting and analytics aligned to business needs and leading practice models*
- *Clearly understood total cost of ownership (TCO) for business applications*

Face the Future with Confidence[®]

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