Boosting Productivity with Practical AI – Real-World Tools for Surveyors in a Changing World

Blicavs Michelle (Australia)

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SUMMARY

Abstract: Boosting Productivity with Practical AI – Real-World Tools for Surveyors in a Changing World

As global demand for accurate, efficient spatial data increases, surveyors and geospatial professionals are under pressure to deliver more—with less. Yet, productivity in many developed nations is declining, despite rising work hours. In this context, Artificial Intelligence (AI) emerges not as a distant disruptor, but as a practical, powerful assistant.

This presentation explores how surveyors around the world can integrate AI tools to streamline operations, save time, and improve business outcomes—without needing large budgets or tech teams. Drawing from real examples in Australia and beyond, we'll cover how tools like Otter.ai, Motion, Trimble Business Center, and ArcGIS AI add-ons are being used today for scheduling, data processing, communication, and documentation.

Key takeaways include:

How AI can bridge the field-office divide for small surveying teams.

Where AI can reduce admin time, enhance client interactions, and support better decision-making.

How to identify tools that work even with limited connectivity—ideal for remote or regional work.

This session is designed to demystify AI and empower surveyors at all career stages to adopt smart technologies that enhance their work without replacing their expertise. With a focus on practicality,

accessibility, and relevance to global contexts, it aligns with FIG's mission to advance the surveying profession through innovation and knowledge sharing.