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FOR IMMEDIATE RELEASE & INTERVIEW:

6 WAYS BIM WITH ARTIFICIAL INTELLIGENCE WILL REDUCE CONSTRUCTION DISPUTES

(Philadelphia, PA) The American Bar Association, in its blog article about an Arcadis report on construction disputes, listed as the leading causes of disputes:

1) failures to understand and/or comply with contractual obligations,

2) owner directed changes leading to errors and/or omissions in contract
  documents, together with design incompletion or ambiguity,

3) third-party and force majeure events.

James Gallagher, Principal at Resolution Management Consultants, a leading construction management and dispute resolution firm, says "Construction disputes arise from project expectations, changes and results not being in sync. As projects become more complex, the number of disputes will continue to grow and become more costly. However, Building Information Modeling (BIM), powered by artificial intelligence capabilities, has the potential to limit disconnection, inattention and neglect, and keep all parties engaged in the conversation." Gallagher has identified 6 areas where he believes that BIM with AI will dramatically reduce construction disputes and litigation by more effectively addressing most of the leading causes of disputes listed above:

1) Improving communication by providing transparency to all parties.

As all stakeholders have access to the BIM model, which is updated in real time, no one will be able to dispute that they were not notified.

2) Putting the change order process in blockchain enhances accuracy and credibility.

Building more trust, by all parties, into the process, will not only make it more efficient, but more reliable in limiting disputes.

3) AI is powerful in comparing cause and effect on multiple levels.

With the implementation of "smart" contracts, AI can link action and results to contractual obligations and provide advance notice of shortcomings, as well as confirmation of completions.

4) AI, with its advanced predictive capabilities, can reduce disputes.

By having a model in place, AI can more effectively predict and communicate potential issues, changes or threats to that model. BIM with AI can more effectively warn stakeholders to take action before the dispute intensifies and trigger other disputes. Certain types of negligence will be virtually eliminated.

5) Managing operational issues like relationships, including contracts and activities by sub-contractors.

Traditionally in construction, relationships with sub-contractors can become disconnected from the project and its management leading to fulfillment disputes. AI capabilities can more effectively coordinate subs, their work and its effects on many aspects of the project.

6) More definitively confirm completion (or not) and therefore speed payment.

Arguably one of biggest causes of disputes is the gray area regarding how much work has been completed and what payment is due. BIM with AI can provide quicker confirmation of timely completion or non-completion, and either suggest payment authorization or identify shortcomings and those responsible.

Said Gallagher, "Although we're still a long way from having AI robots build entire construction projects without humans, AI can already be used now to add speed, value and trust to the construction management process. Although disputes will never go away, BIM with AI has the promise of dramatically reducing the number of disputes by validating claims or eliminating frivolous ones.

About Resolution Management Consultants, Inc.
Resolution Management Consultants, Inc. (RMC) is a nationally recognized consulting firm headquartered in Marlton, NJ. There are two sides to the business: the construction planning and management aspect – helping clients build more successful projects – and the litigation aspect – should matters go to court, providing analysis and testimony as expert witnesses. Founded in 1993 by veterans in the construction, contracting and engineering professions, RMC has assisted numerous private owners, public agencies and contractors in either achieving project goals or resolving cost and time disputes between the contracting parties.
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