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CMIC XPROJECTS

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CMiC xProjects

The Need

At its core, integrated project delivery is a project delivery method that focuses on stakeholder collaboration and teamwork. IPD aims to engage all project stakeholders as early in the process as possible, but given that multiple project participants each bring pre-existing software systems to the table, IPD is often plagued by interoperability issues. xProjects is a cloud based collaboration and project management solution that resolves the interoperability issues associated with integrated project delivery (IPD) and electrifies the IPD process by enabling capital project owners to collaborate seamlessly with multiple project stakeholders.

FIGURE 1 REAL TIME INTEGRATION ACROSS A CLOUD BASED NETWORK OF PROJECT STAKEHOLDERS ELIMINATES INTEROPERABILITY PROBLEMS ASSOCIATED WITH IPD

The Technology

Using XML adapters to create connections between systems, CMiC Real Time Integration (RTI) tags data so it can be transferred bi-directionally between participants within the project ecosystem with no loss of information or the need for re-entry. When project information is sent from one system to another, both databases are updated, ensuring that project data is always up to date across the board, thus facilitating collaboration. In an IPD environment, this allows project collaborators who are using different systems to exchange information without having to re-enter data or perform export/import tasks.
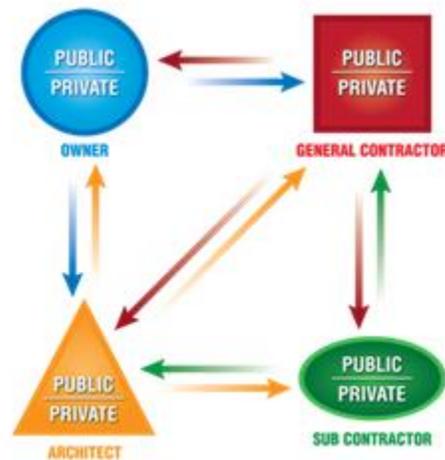
FIGURE 2 THE CMIC PROJECT ECOSYSTEM FACILITIES COLLABORATION AND SHARING OF PUBLIC DATA BETWEEN PROJECT STAKEHOLDERS WHILE ALLOWING EACH PARTY TO MAINTAIN CONTROL OVER PRIVATE DATA

THE BENEFITS

Lowers costs:

Intelligent workflow engines keep the project moving forward and automate non-value added tasks Per project licensing ensures maximum flexibility users Cloud based delivery model dramatically reduces hardware requirements.

Increase productivity:

Facilitates collaboration by bringing all project information into a shared, central hub Allows users to maintain control over private data Robust security matrix protects valuable data.

Increases interoperability:

XML eliminates system interoperability issues and helps incorporate a diverse set of applications such as Building Information Modeling (BIM).

STATUS

CMiC xProjects was released in 2011 and is rapidly emerging as the premier choice for cloud based project collaboration.

BARRIERS

The growing trend towards system embedded social networking capabilities is not yet reflected in the existing release of xProjects.

POINTS OF CONTACT

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REFERENCES

1. http://constructech.com/news/articles/article.aspx?article_id=9081
2. www.cmic.ca/x-projects.html

REVIEWERS

Peer reviewed as an emerging construction technology

DISCLAIMER

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