

IST 046
Smart Infrastructure for Enhanced Team-Based Design Performance

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Abstract

At any given moment in a large corporate setting there are dozens of planned and impromptu meetings taking place. Because of today's growing interdisciplinary and team approach to work, the demand for non-dedicated meeting space that assists in the generation and organization of ideas is growing, and the need for better meeting infrastructure is apparent. Because of accelerated business cycles, projects are designed and implemented under tight deadlines. Thus, work efficiency is critical.

However, collaboration can be difficult because once a meeting ends, each group member walks away with a piece of the final work created. This makes it difficult to maintain and organize the various pieces of information produced-- including notes, summaries, digital files, and sketches. Reconstructing a meeting is very difficult. Our goal is to address this problem by finding a solution that can allow teams to be able to share, organize, and access all information produced during a meeting and created during individual work time. Our solution will also offer other conveniences such as the ability to build or continue work sessions. Our project has both physical and digital aspects. Non-dedicated physical spaces, enhanced with many digital tools and interactive devices, support co-located group collaboration, providing a physical infrastructure for collaboration. Finally, our infrastructure will provide a way for meetings and group progress to be archived and accessed in various states throughout the life of the project.