Abstract
The primary goal of this project is to work on providing building blocks for a smart infrastructure and tools that move towards giving nearly human-level assistance to design personnel. This assistance will range from task support to fully-delegated tasks appropriate to an intelligent trusted assistant. We expect to achieve improvements throughout the research period, such as an increase in efficiency of human operation for assisted tasks.

We will target innovative tools that contribute to the efficiency of mobile workers. We will work towards developing adaptive agent architectures that allow the system to learn from experience and improve performance over time as a result of use. Moreover, as an environment changes (e.g., when a user moves from the workplace design environment to the home), the system will reconfigure, minimizing user distraction and work disruption.