

III. ANALOGY TO WORK

	Target Domain	Source Domain
Problem		
Solution		

The current challenge in architect offices is simultaneous model collaboration. Our solution: a spatial computing dome, allowing architects to simultaneously collaborate, similar to how software engineers use collaborative platforms like GitHub and CoderPad. This dome enables creation of 3D shapes with finger movements and gestures, facilitating fast development and shared vision among architects.



The challenge in architectural collaboration is understanding shared visions and detailed aspects like dimensions and materials. Current methods, including sharing CAD files and gathering around a desk, lead to inefficiencies.

Our solution is an AR-powered spatial computation dome, enabling architects to collaborate in real-time using gestures and AR glasses. This technology brings ideas to life, improving communication and decision-making while reducing the need for physical prototypes and excessive printing, aligning with sustainability goals.

