Technical Assistance Request

Making a smart, self-powered kiosk or bench that integrates multiple hardware types like video, sound, lighting, communications, energy management and various sensors architecturally pleasing and safe is akin to making the first iPhone. We are looking for assistance with smart app development and integration of multiple electronics systems that use advanced energy management, supported by cloud-based asset management. We have multiple first generation units pilots deployed and are looking to develop the most advanced and most reliable version the world has ever seen.

The first challenge is ensuring that solar and sometimes wind harvest coupled with battery energy management is predictable and six sigma reliable for all deployments. The second challenge is making sure all component integrations are ruggedized and UL approved for extreme weather, seismic and vandal or safety conditions. The third challenge is integrating and developing smart applications for complete asset management, predictable maintenance, public safety monitoring, self-serve digital advertising and 5G communications.

Target costing for kiosk field models will range from $8,000 to $15,000 depending on features and accessories. We already have several partners interested in supporting communications, video management and some other features. We are looking for dry lab support for electronics design, integration and app development. We estimate that lab testings and first 3 prototypes will cost $80,000 - 100,000.