2022 ENCOUNTERING INNOVATION BLUF STATEMENTS

DOMAIN AWARENESS

MySmartPlans	MySmartPlans The Ultimate Construction Technology	MySmartPlans was developed and created by experienced people in the construction industry, who as a subcontractor, endured the lack of good document flow and the chaos of miscommunication. The need for audited information from multiple sources of technology that exist during the planning and execution of construction and the eventual turnover of the rich data to run the facility is the point of MySmartPlans. MySmartPlans hybrid approach combines the human element of a digital librarian with the proprietary software that allows a user to point and click and retrieve the pre-audited and linked information at the user's fingertips. Today's multitude of construction technologies are cumbersome and convuluted to say the least, what is needed is accurate information at your fingertips. MySmartPlans closeout assembly of the Digital Twin incorporates all data before construction, a full record of who what, and where of the construction data, and transfer of data to the owner, facilities management solutions. MySmartPlans creates transparency and accountability and is the one source of truth in project delivery. Trust But Verify. MySmartPlans Building A Better Way.
Parcell	Parcell Smart Tool Crib	Aircraft maintenance squadrons are required to use onerous tool control processes, which decrease the time maintainers can spend on productive maintenance tasks. The Parcell Smart Tool Crib (STC) is a smart locker that automates the tool checkout process while conserving the integrity of the required protocols for prevention of Foreign Object Debris. The STC can be used in any setting where shared assets must be closely tracked, and it is designed as a modular unit that can be configured to hold a wide variety of assets in various settings. Because of its ease of implementation and broad applicability, the proposed Parcell product can have a significant impact on readiness and save hundreds of millions of dollars per year throughout the DoD.
Ghost Display Technologies	OLED-based infrared sensors	Our OLED-based sensor structure can realize significantly high-resolution (>100 megapixels) infrared sensors even at incredibly low prices (<$500). Our unique infrared sensitive OLED technology can directly convert invisible infrared images to visible images in the very thin film. Thus, this technology allows CMOS image sensors, which are being tremendously used for a variety of high-resolution ultralow-cost visible cameras for now, to be even used as infrared image sensors as well. This technology can

		also be used for an infrared-stimulated self-emitting projection display which can provide not only a large screen size (>100-inch) but also a high display quality.
SafeDefend LLC	SafeDefend Active Shooter Response and Crisis Management Solutions	Three critical elements have not been effectively addressed in an active shooter or targeted violence event. The three critical elements are: 1) The assailant will be within the perimeter. 2) Those in the immediate threat zone are on their own until help is notified and arrives. 3) Military Police, Security Forces, and/or local law enforcement response will not be quick enough. SafeDefend addresses the critical beginning moments of an active shooter or targeted event. SafeDefend provides comprehensive notification to 1st responders, those in harm's way, and those needing to manage the crisis within seconds. In addition, through training and our systems tailored response options, those managing the crisis are able to respond to the event much more effectively until help arrives. Immediate location information is conveyed to responders which facilitates and accelerates security response and the area can be locked down or avoided by those close to the crisis saving innocent lives.