Our intelligent radio solutions can be integrated as a component within their system development and direction finding, as well as time-sensitive cognitive Electronic Warfare (EW) and adaptive MIMO-OFDM communications.

**Transition Opportunities:**
- TPOC: Dr. Dan Purdy
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- Other transition opportunities: Solutions to expressed needs by US SOCOM and the Army Rapid Capabilities Office to ensure dominance of the spectral domain.
  - Anti-jamming, cognitive radar, and autonomous wireless systems that leverage a portfolio of SDR products and form factors with application specific "radio personalities". For large system integrators, our intelligent radio solutions can be integrated as a component within their system development and delivery programs (e.g. SIGINT, counter-UAS, low-probability of intercept wireless comm.)

**Projected Business Model:**
Our cognitive radio solutions include both full-featured, purpose-built intelligent radio systems, as well as commercially available SDR platforms and IP that can be integrated across a variety of devices and wireless application scenarios. Our solutions enable wireless software developers to start further down the development path, reducing time-to-market and enabling the ability to focus on their innovative applications.

**Company Objectives:**
Syncopated Engineering is a creative solution provider of software applications and embedded systems for wireless communications, signal processing, and data analytics. We have Cognitive Radio / Software Defined Radio (SDR) and hardware acceleration product lines that are complementary to our custom solution development offerings. Our goal is to establish a high performance and reconfigurable suite of intelligent SDR platforms that complement our purpose-built custom product and solution offerings. The combination of performance and flexibility in our solutions provides a unique competitive advantage and drives our repeatable solution-delivery model.

**Potential Commercial Applications:**
- The Internet-of-Things will capitalize on the explosion of new wireless devices, but the multiple commercially deployed standards makes it difficult to adapt to the wireless communication environment without multiple devices, and even harder to protect wireless networks from bad actors that are both wireless and highly mobile. Commercial applications for our cognitive radio solutions include as an intelligent wireless security sensor for wireless intrusion detection systems, or as a multi-protocol wireless Internet-of-Things communications node.