

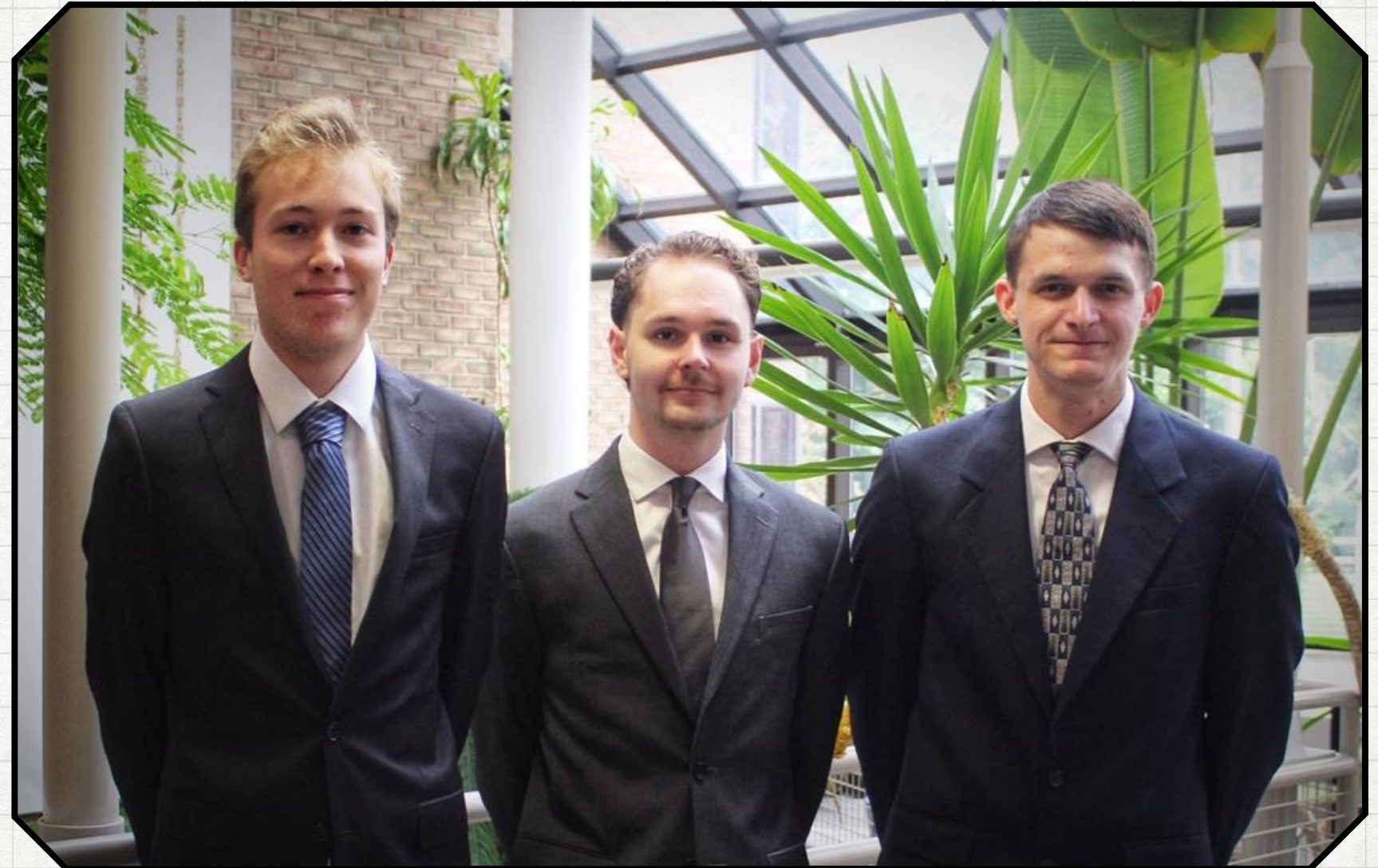


SCOUT TANDEM

Tandem Scout, built for agility, will be compact yet capable of autonomous docking and undocking with Team 14's Tandem Ranger (host-ship). It will use professional-grade sensors as required by its users and will include a smart vision system to facilitate autonomous docking. Pairing with the host-ship, the Tandem Scout will have extended mission life, as none of its power is expended during transit to or from the point of interest. Upon detachment from the host-ship, it will seamlessly transition into first-person view (FPV) mode, granting operators an immersive, real-time perspective. Outfitted with optical sensors tailored for surveillance and potential applications in photogrammetry, it will be well-equipped to efficiently collect high-resolution spatial data.

Integration with Team 14

- Autonomous Vision System
- Tandem Travel Latching Mechanism
- Improved Flight Range



Jacob Vanden Bosch
– Electrical –

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