Dismounted Augmented Reality Environment (DARE)

Research Network (RNI) contractor visit 8 AUG 2019 (Tovar and Grant)

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Suit made by 3x3 (from Canada)

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- Sensors inside suit collect and send data (tracks heartbeat, body temp, etc.).
- Attached are the WBUs, Wireless Body Units, talks with Bluetooth, low energy
- Haptics on limbs/localized for hit feedback

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- Software is Body Sensor Network (BSN) = GUI/software interface
- Uses MSFT Visual Studio
- Environment made with Unity
- Network and Cloud dependent

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Notes:
RNI from Kinnesaw, GA
Working on this since 2016

Contains:

1. Motion Capture body tracking which drives an avatar.
2. Haptics on limbs/localized for hit feedback
3. Suit made by 3x3 from Canada
4. Sensors inside suit collect and send data (tracks heartbeat, body temp, etc.).

Attached are the WBUs, Wireless Body Units, talks with Bluetooth, low energy

5. User wears backpack
6. Environment made with Unity
7. Network and Cloud dependent
8. System uses Hololens
9. Software is Body Sensor Network (BSN) = GUI/software interface
10. Uses MSFT Visual Studio