PURPetrators

Comfortable Security

Sketch Model Review
Purple Team A
Redesign: Comfort with Security
Ergonomic Design

Medium sized wrist
Ergonomic Design

Medium sized wrist
Ergonomic Design

Large sized wrist
Ergonomic Design

Large sized wrist
Ergonomic Design

Small sized wrist
Ergonomic Design

Small sized wrist
Law-Enforcement Market

- 1 million officers in the US
- 12 million+ officers globally
- 2 pairs of handcuffs per officer
Next Steps

- **Material**
  - Lightweight, Low Cost
    - Titanium, aluminum alloys, 3D printed
- **Sensors**
  - Pressure sensors
  - Feedback RGB LEDs
- **Variable Length**
  - Adjustable chain
- **Test**
  - National Institute of Justice Performance Criteria