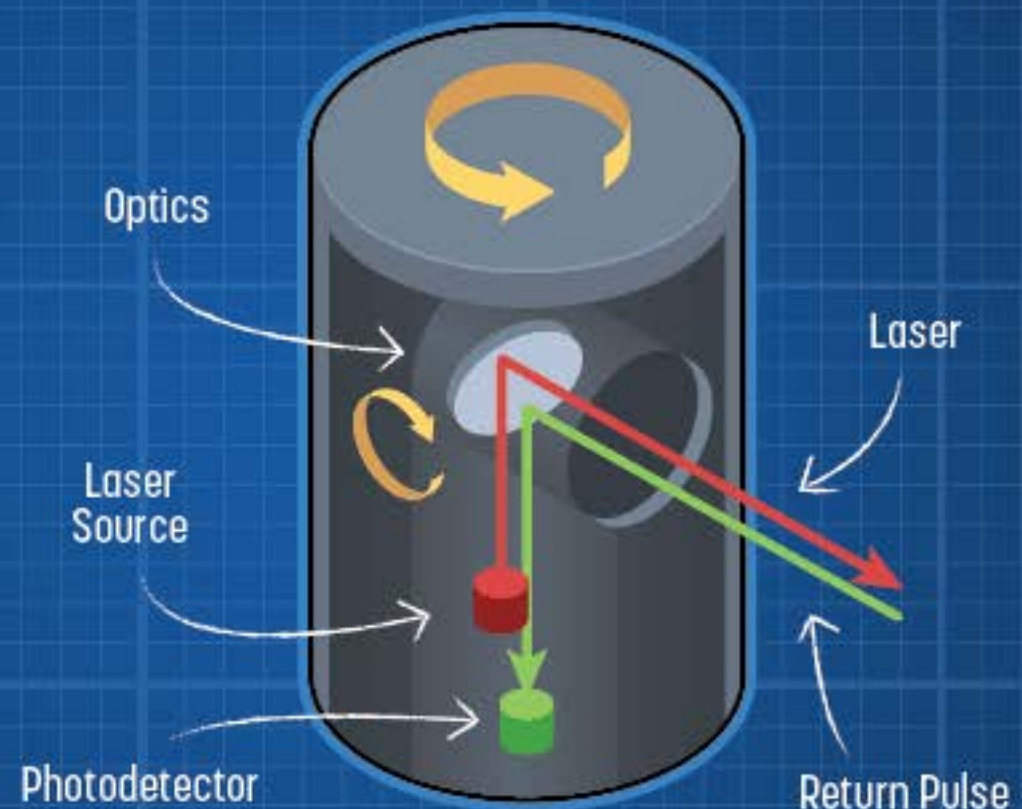
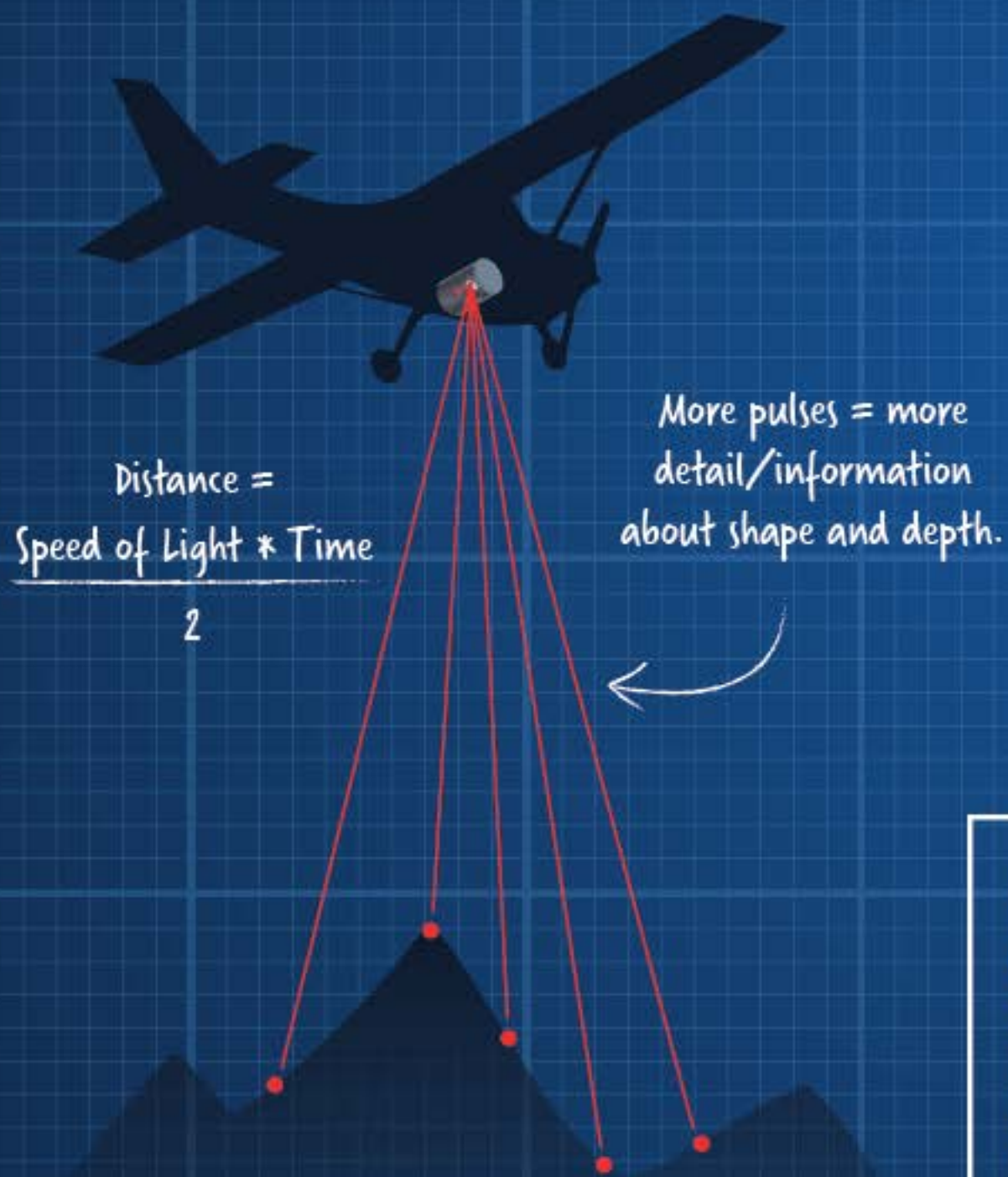


# Light Detection And Ranging

# LiDAR



## Components of LiDAR

**Laser:** Emits light pulses (usually near-infrared or green)

**Photodetector:** Receives reflected pulses back

**Timing Electronics:** Measure time between pulse and return

**Optics:** Mirror operated with scanning and rotating mechanisms

**Positioning Systems:** Measure position data, such as GPS and IMU

**Computer:** Makes calculations and records data