Sierra Nevada Corporation’s (SNC) Helicopter Autonomous Landing System (HALS) provides visual situational awareness/wire and obstacle avoidance in degraded visual conditions. Our integrated system, coupled with the flight symbology offers crews the ability to operate safely in any degraded visual conditions.
**Capabilities**

- Take-off/enroute/landing in all Degraded Visual Environment (DVE) conditions
- Visual Situational Awareness to see and avoid wires, cables and terrain
- Visual terrain following/avoidance
- Brownout Symbology Software (BOSS)
- Precise guidance to landing in DVE
- Safe transition - visual to instrument

**Features**

- 3D Image Rendering, 94 GHz Pulsed Radar
- DTED correlated to radar (ground truth) for extended range
- GPS/IMU - either added or use existing system
- Cockpit Display – either added or use existing display

**Nap of the Earth Imagery**

**Wire Detection (20° off center) Imagery**

**Confined Area Approach Imagery**

**Enroute Towers Imagery**

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