DRONES IN CONSTRUCTION

Jason Preston
Commercial Helicopter, Instrument UAV
AREAS OF FOCUS

- Compliance, Regulation
- Operations
- Equioment
AIRCRAFT/DRONE/UAV

- 2011, Raphael Pirker
- NTSB/FAA Ruling stands defining aircraft
- Regulated by 14CFR
Typical FAA Fine is $10,000

FAA Motto

FAA FAR vs Part 107

Part 107 Licensing

Part 107 Operations

COMPLIANCE/REGULATION
What can you do with a drone....
SITE PROGRESSION

- Daily
- Weekly
- Yearly
- Track changes to near property
CAD/3D MODELING

- Photogrammetry
- Lidar
CONTOUR MAPPING

Basic Contour Mapping
EQUIPMENT HEALTH INSPECTION
Cost versus use
Right tool for the job
Expected time in service
Payloads available
Hazardous environment
EQUIPMENT
EQUIPMENT
EQUIPMENT