

K&L GATES

Drones in Construction: Legal Overview

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AGENDA:

- Introduction
- Legal Overview
- Construction Issues

DRONE INDUSTRY

- Drones = “Unmanned Aircraft Systems”
- \$100 billion per year industry in 10 years
 - 1/3 is Construction and Infrastructure!

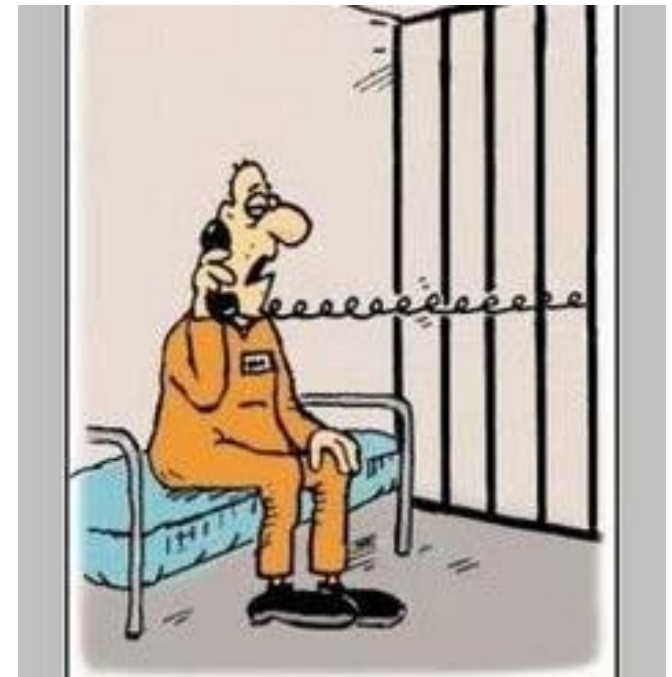


CONSTRUCTION DRONE USE

- Aerial Imagery
- Marketing
- Surveying & Mapping
- Inspection
- Monitoring
- Site Security
- Safety

OBEY THE LAW!

- FAA penalty up to \$11,000 per violation
- FAA seeks \$1.9 million fine from SkyPan
- Midway Airport Runway Crash
- Lollapalooza Drone
- Kentucky “Drone Slayer”



DRONE REGULATION

- Layers of Regulations:
 - Federal
 - State
 - County
 - City
- Drone laws can vary by State, County and City!

FEDERAL LAW: RECREATIONAL VS. COMMERCIAL

- Hobbyists: Few Rules
 - 400 foot maximum altitude
 - Fly within sight
 - Register with FAA



FEDERAL LAW: RECREATIONAL VS. COMMERCIAL

- Commercial: Many rules!
 - Small drones (under 55 lbs.): FAA regulations issued
 - Big drones: No FAA regulations yet

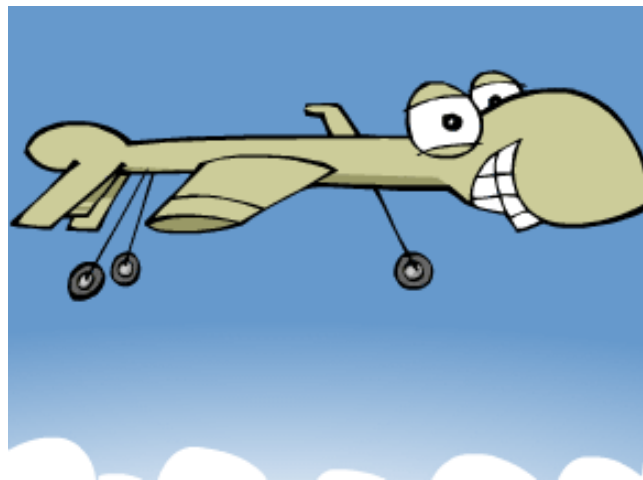


FEDERAL LAW: COMMERCIAL DRONE LAWS

- Aircraft
 - Under 55 lbs.
 - Must register with FAA
- Pilot
 - Must be a “Remote Pilot in Command”
- Operations
 - Maximum altitude 400 feet OR within 400 feet of a structure
 - Within Pilot’s sight
 - Can’t fly over people
 - Can’t fly near airports
 - No nighttime flights
 - Waivers available

ILLINOIS LAW: NO REGULATION

- Freedom from Drone Surveillance Act
 - Bans Law Enforcement Use of Drones with Exceptions
- Oversight Task Force
 - Recommends laws to be adopted



CHICAGO LAW: HEAVY REGULATION

- Register Drone with City
- Can't fly within 5 miles of an airport
- Can't fly within 1/4 mile of school, hospital or place of worship
- Can't fly between 8 pm and 8 am



CONSTRUCTION LEGAL ISSUES:

- Laws Everywhere!
 - Federal, State and Local levels
- Project Location
 - Can't be near airport, schools, etc.
- Hours of Operation
 - Work days:
 - Can't fly over people
 - Ok to fly between quitting time and sunset

CONSTRUCTION LEGAL ISSUES:

- Operator's Qualifications
 - Pilot? Registered?
- Who Hires the Operator?
 - Owner? A/E? Contractor?
- Owner's Liability:
 - Insurance?
 - Coverage in flux!
 - Indemnified?



ANY QUESTIONS?

THANK YOU!



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