

# DRONE INDUSTRY INSIGHTS – INDUSTRY DEFINITIONS

## AGRICULTURE

The Agriculture, Forestry, Fishing and Hunting sector comprises drone activities engaged in growing crops, raising animals, harvesting timber, and harvesting fish and other animals from a farm, ranch, or their natural habitats.

- **Animal Production:** Companies in the Animal Production (and Aquaculture) subsector raise or breed animals for the sale of animals or animal products and/or raise aquatic plants and animals in controlled or selected aquatic environments for the sale of aquatic plants, animals, or their products. The subsector includes establishments, such as ranches, farms, and feedlots, primarily engaged in keeping, grazing, breeding, or feeding animals. These animals are kept for the products they produce or for eventual sale.
- **Crop Production:** Companies in the Animal Production (and Aquaculture) subsector raise or breed animals for the sale of animals or animal products and/or raise aquatic plants and animals in controlled or selected aquatic environments for the sale of aquatic plants, animals, or their products. The subsector includes establishments, such as ranches, farms, and feedlots, primarily engaged in keeping, grazing, breeding, or feeding animals. These animals are kept for the products they produce or for eventual sale.
- **Fishing/Hunting:** Companies in the Fishing, Hunting and Trapping subsector harvest fish and other wild animals from their natural habitats and are dependent upon a continued supply of the natural resource.
- **Forestry:** Companies in the Forestry and Logging subsector grow and harvest timber on a long production cycle. Long production cycles use different production processes than short production cycles, which require more horticultural interventions prior to harvest, resulting in processes more similar to those found in the Crop Production subsector.

## ARTS & ENTERTAINMENT

The Arts & Entertainment sector includes drone activities in the Arts and Entertainment sector. The entertainment industry is a mixed grouping of businesses that provide cultural, entertainment, and recreational activities for people. In contrast, artists and craftspeople are workers who produce works of art or crafts for their own pleasure or for sale.

The production of films, television productions and documentaries does NOT belong to Arts & Entertainment but to the Information and Motion Pictures industry.

## CONSTRUCTION

The Construction sector comprises establishments primarily engaged in the construction of buildings or engineering projects (e.g. highways and utility systems). Establishments primarily engaged in the preparation of sites for new construction and establishments primarily engaged in subdividing land for sale as building sites are also included in this sector.

- **Construction of Buildings:** The Construction of Buildings subsector comprises establishments primarily responsible for the construction of buildings. The work performed may include new work, additions, alterations, or maintenance and repairs.
- **Heavy and Civil Engineering Construction:** The Heavy and Civil Engineering Construction subsector comprises establishments whose primary activity is the construction of entire engineering projects (e.g., highways, bridges and dams).

## CARGO, COURIER SERVICES, INTRALOGISTICS AND WAREHOUSING

The Cargo, Courier Services, Intralogistics and Warehousing sector includes drone activities that involve the transportation (including intralogistics) of any cargo outside the industries listed here. In addition, any warehousing activities using drones are included in this sector.

- **Cargo & Courier Services:** The Cargo & Courier Services subsector includes all drone activities of National Post and its subcontractors providing postal services under a universal service obligation and couriers and messengers providing intercity, local, and/or international delivery of packages and documents (including express delivery services).
- **Intralogistics:** The intralogistics subsector includes all logistical material and goods flows from industries not listed separately using drone technology that take place within a company's premises.
- **Warehousing:** The drone activities of the warehousing subsector are mainly concerned with the operation of warehouses and storage facilities.

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## ENERGY

The energy sector includes drone activities involved in the provision of the following utilities: electricity, oil, natural gas, steam supply, water supply, and wastewater disposal. Within this sector, the specific activities associated with the utility services provided vary by utility: electric power includes generation, transmission, and distribution; oil and natural gas includes extraction and distribution; steam supply includes provision and/or distribution; water supply includes treatment and distribution; and sewage removal includes collection, treatment, and disposal of waste through sewer systems and sewage treatment facilities.

- **Oil & Gas Extraction:** Companies in the Oil and Gas Extraction subsector operate and/or develop oil and gas field properties. Such activities may include exploration for crude petroleum and natural gas; drilling, completing, and equipping wells; operating separators, emulsion breakers, desilting equipment, and field gathering lines for crude petroleum and natural gas; and all other activities in the preparation of oil and gas up to the point of shipment from the producing property.
- **Gas & Oil Distribution:** This industry comprises establishments primarily engaged in operating gas & oil distribution systems (e.g., mains, pipelines, meters).
- **Power Generation and Distribution:** This industry comprises establishments primarily engaged in operating electric power generation facilities. These facilities convert other forms of energy, such as waterpower (i.e. hydroelectric), fossil fuels, nuclear power, and solar power, into electrical energy. The establishments in this industry produce electric energy and provide electricity to transmission systems or to electric power distribution systems.
- **Water, Sewage and other Systems:** This industry group comprises establishments primarily engaged in: (1) operating water treatment plants/water supply systems; (2) operating sewer systems or sewage treatment facilities; or (3) providing steam, heated air, or cooled air.

## EDUCATIONAL, SCIENTIFIC, AND TECHNICAL SERVICES

The Educational, Scientific, and Technical Services sector comprises establishments that provide instruction and training in a wide variety of subjects such as performing scientific, and technical activities for others. Typical establishments of this industry are colleges, universities, laboratories and training centers.

## HEALTH CARE & DISASTER RELIEF

The Health Care and Disaster Relief sector includes companies using drones to provide health and social care to persons and take measures to protect life, health or the environment during or after a disaster. Typical establishments of this industry are hospitals, public institutions and private and community organizations for disaster relief.

## INFORMATION AND MOTION PICTURES

The Information and Motion Pictures sector includes companies engaged in the following drone processes: (a) producing and distributing information and cultural products, (b) providing the means to transmit or distribute these products as well as data or communications, and (c) producing and distributing of motion pictures like tv series, documentaries or movies.

- **Broadcasting/Hosting:** Industries in the Broadcasting subsector include establishments that create content or acquire the right to distribute content and subsequently broadcast the content. The industry groups (Radio, Internet and TV Broadcasting, Cable and Other Subscriptions) are based on differences in the methods of communication and the nature of services provided.
- **Motion Picture:** Industries in the Motion Picture (and Sound Recording) Industries subsector group establishments involved in the production and distribution of motion pictures and sound recordings.

## INSURANCE

Industries in the Insurance sector group companies that are primarily using drones for the following: (1) underwriting (assuming the risk, assigning premiums, and so forth) annuities and insurance policies or (2) facilitating such underwriting by selling insurance policies and by providing other insurance and employee benefit related services or (3) claim management.

## MINING & QUARRYING

The Mining & Quarrying sector comprises companies using drones to extract naturally occurring mineral solids, such as coal and ores; liquid minerals, such as crude petroleum; and gases, such as natural gas.

## PUBLIC ADMINISTRATION

The Public Administration sector consists of establishments of federal, state, and local government agencies (except police, fire department and ambulance which is under Public Emergency Services) that administer, oversee, and manage public programs.

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- **Administration of Environmental Quality Programs:**

The Administration of Environmental Quality Programs subsector groups government establishments primarily engaged in the administration of environmental quality. Organizations involved in this sectors includes mainly Air and Water Resource and Solid Waste Management Programs, and Conservation Programs.

- **Administration of Housing Programs, Urban Planning, and Community Development:** The Administration of Housing Programs, Urban Planning, and Community Development subsector groups government establishments primarily engaged in the administration of housing, urban planning, and community development.

### PUBLIC EMERGENCY SERVICES

The Public Emergency Services sector consists of establishments using drones for executive, legislative, and other general government support. This establishments can be police, fire department or other (national) security authorities.

- **Police:** The activities of the Police sub-sector include all police activities carried out using drone technology.
- **Fire Department:** The activities of the Fire Department sub-sector include all fire-fighting activities carried out using drone technology.
- **Other (National) Security Authorities:** This subsector includes all drone activities of other government entities primarily related to national and international security (other than military).

### REAL ESTATE AND INDUSTRIAL PLANTS

The Real Estate and Industrial Plants sector comprises establishments using drones to administer and maintain industrial buildings and real estate.

- **Industrial Plants:** This industry includes facilities used primarily as offices or industrial buildings, such as office buildings, and facilities not included in the Construction, Energy, Mining, Quarrying, and Oil and Gas Extraction industry.
- **Real Estate:** This industry includes businesses and individuals that primarily own buildings used as residences or apartments, such as single-family homes, apartment buildings, and townhomes. This industry includes owner-landlords and businesses that rent properties and then act as landlords in subletting to others.

### SAFETY & SECURITY

The Safety & Security sector using drones to oversee and manage safety and security activities of all industries that are not done by state authorities like police or fire department.

### TELECOMMUNICATIONS

Companies in the Telecommunications sector group are establishments that provide drone activities dealing with telecommunications and the services related to that activity (e.g., telephony, including Voice over Internet Protocol (VoIP); cable and satellite television distribution services; Internet access; telecommunications reselling services).

### TRANSPORTATION INFRASTRUCTURE & MAINTENANCE

The Transportation Infrastructure & Maintenance sector includes companies that use drones to maintain infrastructure and means of transportation for an operation. The following means of transportation are considered. Air, rail, road and water transportation.

- **Air Transportation & MRO:** Industries in the Air Transportation subsector provide air transportation of passengers (only manned air passenger transportation) and/or cargo using aircraft, such as airplanes and helicopters. This sector includes also all MRO services which are necessary for ongoing air transport operation.
- **Rail Transportation & MRO :** Industries in the Rail Transportation subsector provide rail transportation of passengers and/or cargo using railroad rolling stock. The railroads in this subsector primarily either operate on networks, with physical facilities, labor force, and equipment spread over an extensive geographic area, or operate over a short distance on a local rail line. This sector includes also all MRO services which are necessary for ongoing rail transport operations.
- **Road Transportation & MRO :** Industries in the Road Transportation subsector provide over-the-road transportation of passengers and cargo using motor vehicles, such as cars and trucks. This sector includes also all MRO services which are necessary for ongoing road transport operation.
- **Water Transportation & MRO:** Industries in the Water Transportation subsector provide water transportation of passengers and cargo using watercraft, such as ships, barges, and boats. This sector includes also all MRO services which are necessary for ongoing water transport operations.

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### **WASTE MANAGEMENT AND REMEDIATION SERVICES**

Waste Management and Remediation Services sector comprises establishments performing routine support activities for the day-to-day operations of other organizations. Activities performed include office administration, hiring and placing of personnel, document preparation and similar clerical services, solicitation, collection, cleaning, and waste disposal services.