

## 1

**PLATFORMS (Autonomous vehicles for commercial uses; the vehicle should be remotely piloted or have the ability to navigate on its own)**

### 1.1

Air

- 1.1.1 Rotary
- 1.1.2 Fixed Wing
- 1.1.3 Vertical Take Off and Landing (VTOL)
- 1.1.4 Aerostat (Tethered Blimp)

### 1.2

Ground

- 1.2.1 Small Ground Vehicles
  - 1.2.1.1 Reconnaissance purposes (video/audio throw bots)
  - 1.2.1.2 Special industrial activities
  - 1.2.1.3 Mobility purposes
- 1.2.2 Package Delivery Vehicles (Last Mile Delivery)
- 1.2.3 Passenger Cars
- 1.2.4 Mass Transit
  - 1.2.4.1 Local
  - 1.2.4.2 Long Distance
- 1.2.5 Trucking/Freight
- 1.2.6 Specialized Industry Specific Robots
  - 1.2.6.1 Agriculture
  - 1.2.6.2 Construction/Mining
  - 1.2.6.3 Warehousing
  - 1.2.6.4 Retail
  - 1.2.6.5 Image capture/Inspection

### 1.3

Maritime – Water Surface

- 1.3.1 Small (autonomous security)
- 1.3.2 Mid
- 1.3.3 Large

### 1.4

Maritime – Subsurface

- 1.4.1 Unmanned underwater vehicle (UUV)
- 1.4.2 Autonomous underwater vehicle (AUV)
- 1.4.3 Tethered or stand alone
- 1.4.4 Rovers Google Deep Trekker
- 1.4.5 Sea gliders

### 1.5

Space

- 1.5.1 Air (rockets)
- 1.5.2 Ground (Rover)

## 2

**COMPONENTS + SENSORS**

### 2.1

Imaging/Vision

- 2.1.1 LiDAR
- 2.1.2 Camera
- 2.1.3 IR (infrared)

### 2.2

Chips/Processors

### 2.3

Communication Systems

### 2.4

Computer Systems

### 2.5

Hardware

- 2.5.1 Gyro meter
- 2.5.2 Altimeter

### 2.6

Software

- 2.6.1 Cyber Security

### 2.7

Electrical/Electric Assembly/Electronics

### 2.8

Engines

### 2.9

Flight Control Systems

### 2.10

Launch and Recovery Systems

- 2.10.1 Launchers
- 2.10.2 Parachute
- 2.10.3 Landing pads/targets
- 2.10.4 Nets

### 2.11

Materials

- 2.11.1 Composites
- 2.11.2 3D printing
- 2.11.3 Metals
- 2.11.4 Rubber

### 2.12

Motor Controllers

### 2.13

Navigation Systems

- 2.13.1 GPS
- 2.13.2 Mesh networks

### 2.14

Payloads

- 2.14.1 Gimbals
- 2.14.2 Arms/Grabbers/Manipulation Devices

### 2.15

Power and Fuel Systems

- 2.15.1 Gas
  - 2.15.1.1 Fuel Bladder
- 2.15.2 Battery/Electric
- 2.15.3 Hydrogen
- 2.15.4 Solar
- 2.15.5 Wind
- 2.15.6 Gliders (maritime)

### 2.16

Propellers/Propulsion/Transmissions

### 2.17

Radar/Non-Visual Sensor

### 2.18

Safety Systems

## 3

**SERVICES**

### 3.1

Consulting

### 3.2

Data

- 3.2.1 Data Storage
- 3.2.2 Data/Image Analysis
- 3.2.3 Cloud Services

### 3.3

Education/Training

### 3.4

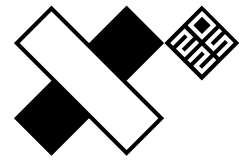
Academia

### 3.5

Research

### 3.6

Encryption



<b>3.7</b>	Fabrication
<b>3.8</b>	Freelance
<b>3.9</b>	Imagery
3.9.1	Photography
3.9.2	Videography
<b>3.10</b>	Inspections
<b>3.11</b>	Insurance
<b>3.12</b>	Industry 4.0
3.12.1	IoT (collective network)
3.12.2	IIoT (collective network for industry and applications)
3.12.3	M2M (Machine to machine communication)
<b>3.13</b>	Legal
<b>3.14</b>	Maintenance
<b>3.15</b>	Repair
3.15.1	Overhaul
<b>3.16</b>	Research/Development/Engineering
<b>3.17</b>	Distribution
<b>3.18</b>	Testing
<b>3.19</b>	Value-Added Resellers
<b>3.20</b>	Drone-as-a-service (on-demand drone pilots)
<b>3.21</b>	System Integrators
<b>3.22</b>	Connectivity
3.22.1	Wireless Carriers
3.22.2	Operators
3.22.3	Network Providers
<b>3.23</b>	Air Traffic Management / Unmanned Traffic Management (ATM / UTM)