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# DRONE OPERATION COURSE FOR CARGO AND PEOPLE TRANSPORT



# CARGO TRANSPORT



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# CARGO TRANSPORT



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# PEOPLE TRANSPORT



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# PEOPLE TRANSPORT



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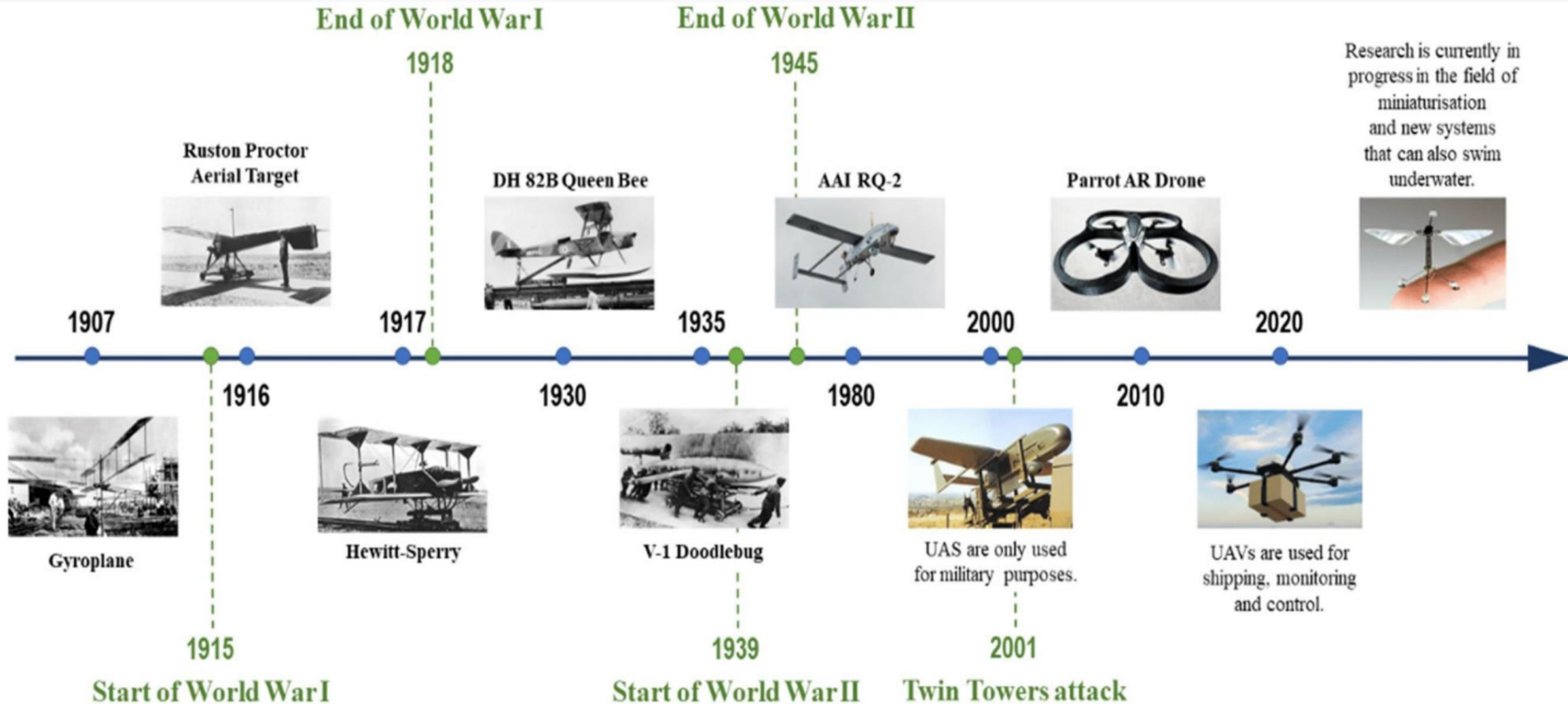


# CHAPTER I: HISTORY AND EVOLUTION OF USE OF DRONES IN TRANSPORT

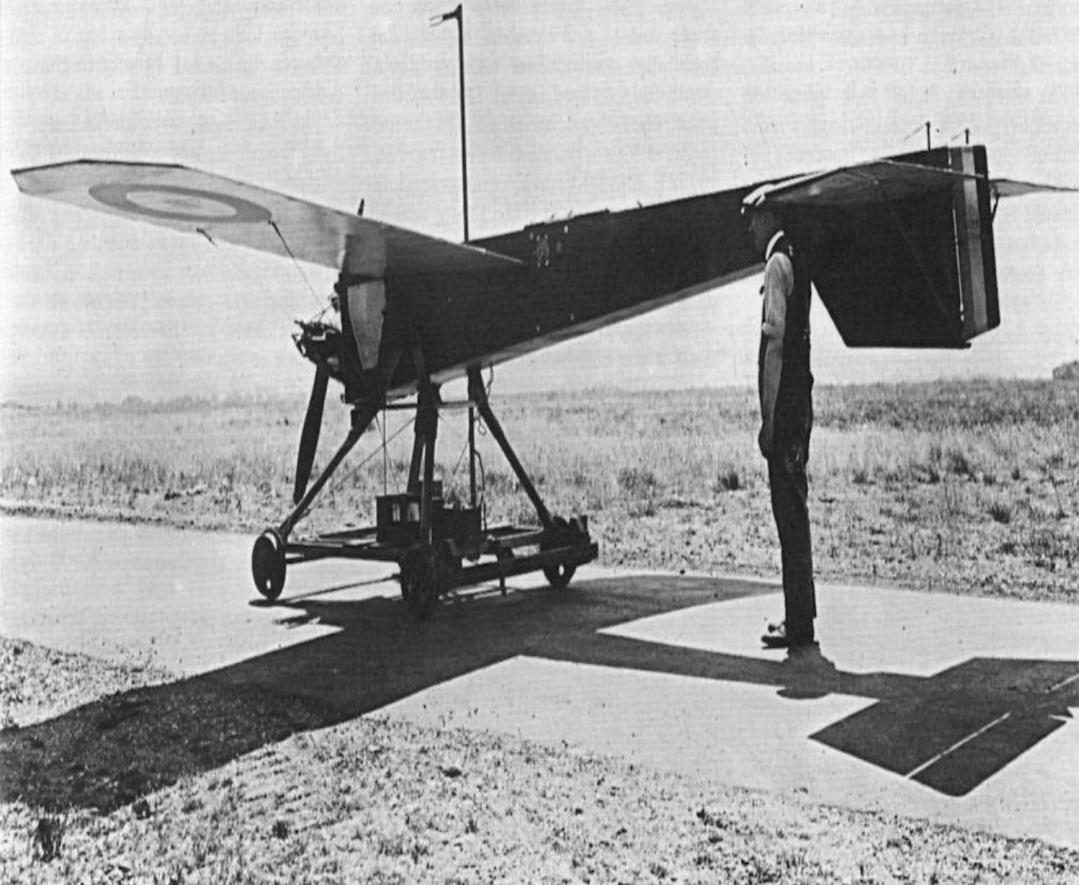


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# HISTORICAL EVOLUTION – MILITARY APPLICATIONS



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**Ruston Proctor**

**1916 (WORLD WAR I)**

**FEASIBILITY OF USING REMOTE CONTROL**



# HISTORICAL EVOLUTION – MILITARY APPLICATIONS

**HEWITT SPERRY**

**1917 (WORLD WAR I)**

**AUTONOMOUS NAVIGATION TECHNOLOGY**



# HISTORICAL EVOLUTION – MILITARY APPLICATIONS



**QUEEN BEE**

**1935**

**1st MASS-PRODUCED REUSABLE DRONE**



# HISTORICAL EVOLUTION – MILITARY APPLICATIONS

V1 DOODLEBUG

1944 (WWII)

FLYWHEEL PUMP

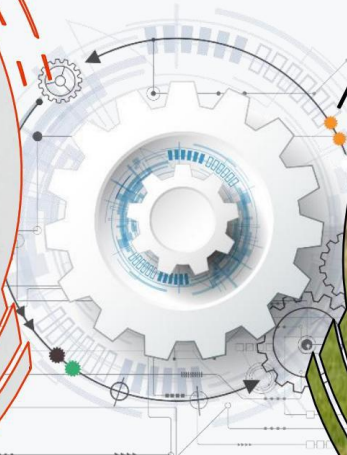


# HISTORICAL EVOLUTION – CIVIL TRANSITION (1980 – 2000)



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YAMAHA RMAX (CIVIL)

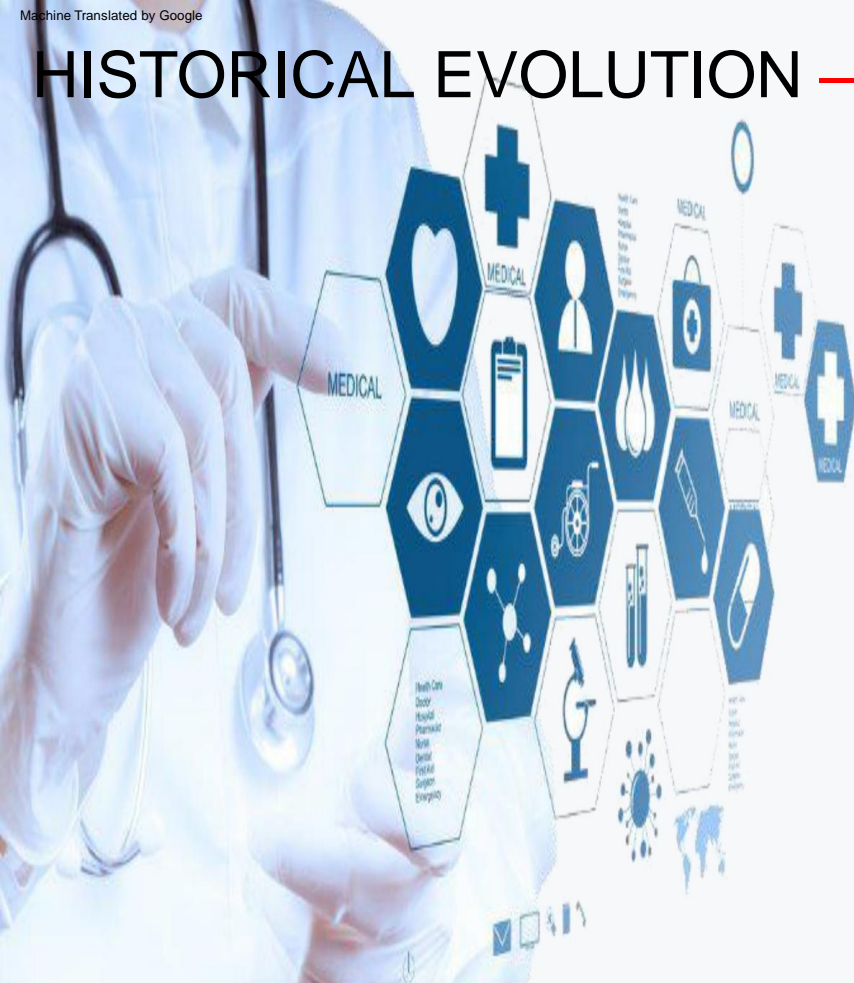


RQ-2 PIONEER (MILITAR)

# HISTORICAL EVOLUTION – COMMERCIAL APPS (2010 – 2015)



# HISTORICAL EVOLUTION – COMMERCIAL APPS (2010 – 2015)



**ZIPLINE**



**MATTERNET**



# HISTORICAL EVOLUTION – MATURATION AND REGULATION (2015 - PRESENT)



# HISTORICAL EVOLUTION – SOUTH AMERICA



# HISTORICAL EVOLUTION – SOUTH AMERICA - BRAZIL



# HISTORICAL EVOLUTION – SOUTH AMERICA – ARGENTINA



# HISTORICAL EVOLUTION – SOUTH AMERICA - ARGENTINA



# **DRONES**VIP

**QUESTION TIME !**

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