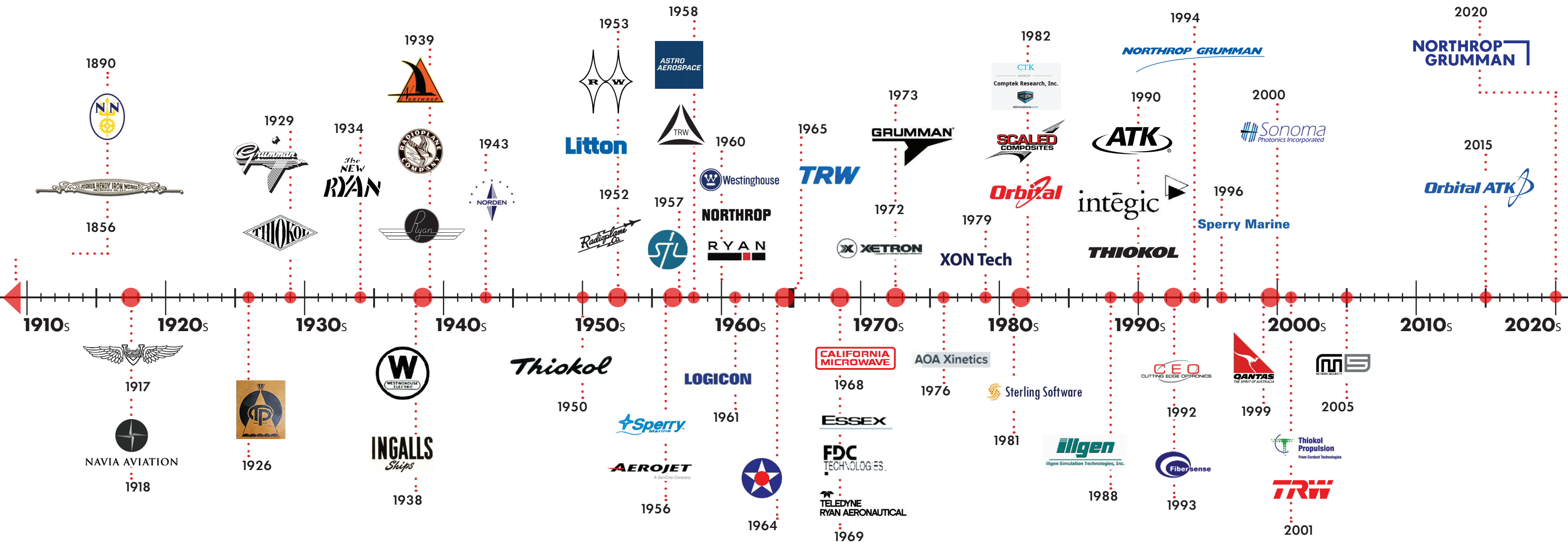


NORTHROP GRUMMAN

Heritage in logos



1856 - Joshua Hendy Iron Works
 1890 - Newport News Shipbuilding & Drydock Co.
 1917 - Lewis & Vought Corp.
 1918 - Navia Aviation
 1926 - Thompson Products Inc.
 1929/1950/1990 - Thiokol Corp.
 1929/1973 - Grumman Aircraft Engineering Corp.
 1934/1939/1960 - Ryan Aeronautical Co.
 1938/1960 - Westinghouse Electric Corp. Radio Division
 1938 - Ingalls Shipbuilding Corp.
 1939 - Radioplane Co.
 Northrop Aircraft, Inc.

1943 - Norden Laboratories Corp.
 1952 - Radioplane Co.
 1953 - Litton Industries Inc.
 Ramo-Wooldridge Corp.
 1956 - Aerojet General Corp. Electronics & Information System Group
 Sperry Piedmont Co.
 1957 - Space Technology Laboratories
 1958/1965/2001 - Thompson Ramo Wooldridge Inc.
 1958 - Astro Aerospace Corp.
 1960 - Northrop Aircraft, Inc.
 1961 - Logicon Corp.
 1964 - American Aviation Corp.

1968 - California Microwave Systems
 1969 - Essex Corp.
 Federal Data Corp.
 Teledyne Ryan Aeronautical Corp.
 1972 - Xetron Corp.
 1976 - AOA Xinetics
 1979 - XonTech
 1981 - Sterling Software Inc.
 1982 - Comptek Research Inc.
 Scaled Composites LLC
 Orbital Sciences Corp.
 1988 - Illgen Simulation Technologies, Inc.

1990 - Integic Corp.
 Alliant Techsystems Inc.
 1992 - Cutting Edge Optronics
 1993 - Fibersense Technology Corp.
 1994 - Northrop Grumman Corp.
 1996 - Sperry Marine
 1999 - Qantas Defence Services Pty Ltd
 2000 - Sonoma Photonics Inc.
 2001 - Thiokol Propulsion
 2005 - M5 Network Security Pty Ltd
 2015 - Orbital ATK Inc.
 2020 - Northrop Grumman Corp.