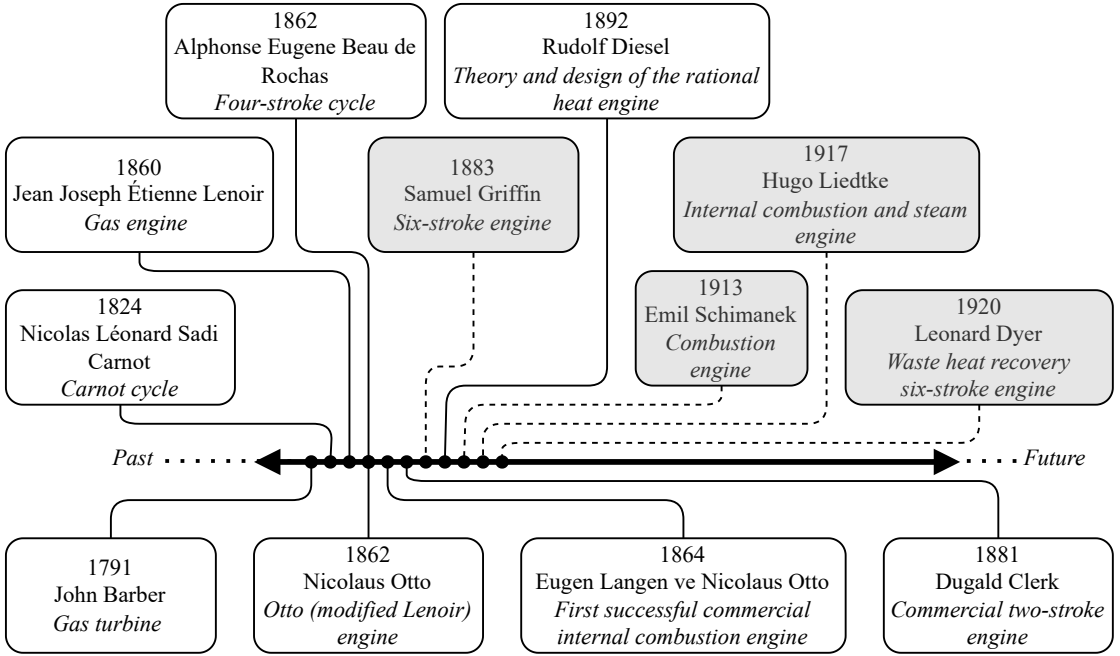
1862
Alphonse Eugene Beau de Rochas
Four-stroke cycle
1892
Rudolf Diesel
Theory and design of the rational heat engine
1860
Jean Joseph Étienne Lenoir
Gas engine
1883
Samuel Griffin
Six-stroke engine
1917
Hugo Liedtke
Internal combustion and steam engine
1824
Nicolas Léonard Sadi Carnot
Carnot cycle
1913
Emil Schimanek
Combustion engine
1920
Leonard Dyer
Waste heat recovery six-stroke engine
Past
Future
1791
John Barber
Gas turbine
1862
Nicolaus Otto
Otto (modified Lenoir) engine
1864
Eugen Langen ve Nicolaus Otto
First successful commercial internal combustion engine
1881
Dugald Clerk
Commercial two-stroke engine