ROBERT WHITEHEAD

Engleski inženjer, izumitelj torpeda u Rijeci
English Engineer, Inventor of the Rijeka’s Torpedo
Robert Whitehead
born in Bolton le Moors, Jan. 3rd. 1823.
father: James Whitehead, b. 1788 in Bolton
mother: Ellen Swift, b. 1795 in Lower Moors
Robert Whitehead
Richard Ormerod & Sons in Manchester, apprenticeship, Mechanics Institute, evening classes 1839-1844
Robert Whitehead
Marseilles, Seyne sul Mer,
Philip Taylor & Sons,
1846-1847
Robert Whitehead
Milano, 1847-1848
Lombardy, 1848 (?)
Robert Whitehead
Trieste
Lloyd Austriaco, Cantieri Strudhoff, Stabilimento Tecnico Triestino
1848 - 1857
Rijeka/Fiume 1850
First modern metal industry in Rijeka 1853
Metal Foundry
Founders of the new Company in Rijeka
Fonderia Metalli, 1853

- Iginio Scarpa
- Walter Crafton Smith
- Giovanni Francovich
- Fransesco Jellouscheg
- Giuseppe Verzegnassi
  - Pietro Scarpa
  - Carlo Sporer
Robert Whitehead in Rijeka
1857/58 – 1900 (1905) (?)
Management and owners of Fonderia Metalli and of later Stabilimento Tecnico in Fiume
Shipbuilding activity of Stabilimento tecnico in Fiume 1860-1872
House of Edgar Crafton Smith, guests at dinner table, Rijeka, 25. VI. 1867.
New original idea for development of automatic naval weapon, “costal saver”, (kustenretter) 1860-1866.
Partners in creation of the project “Rijeka’s torpedo”

Giovanni B. Luppis
Robert Whitehead
Giovanni de Ciotta
Giovanni Biagio Luppis de Rammera
Milano and Torrigge on lake Como,
died in Milano, 1875 g.
Key of the TORPEDO success
“GOOD PRODUCT”
First experiments with destructive power of Luppis-Whitehead Rijeka’s torpedo, June 1867.
First underwater testing of torpedo trajectory in the front of torpedo factory in Rijeka
Liquidation of Stabilimento tecnico in Fiume 26.1.1875

“Whitehead & Comp” owners Robert Whitehead and Georg Hoyos
Robert Whitehead and leading people behind Rijeka’s torpedo production

Georg Hoyos
John Whitehead
Annibale Ploech
Albert Jones
Karl Hassentaufel
First sales of Rijeka’s torpedoes to the world Navies

- 1868 Austria
- 1871 Great Britain
- 1872 France
- 1873 Italy, Germany
- 1875 Denmark, Sweden, Norway
- 1876 Russia
- 1877 Turkey, Portugal, Argentina, Belgium, Chile, Greece
- 1891 USA
First types of Rijeka’s torpedoes delivered to the world Navies
(torpedoes in today's Naval museums)
Whitehead-Luppis torpedo main engine for underwater movement
Devices for regulation of depth underwater trajectory
First world gyroscope use for torpedo azimuth control
Torpedo launching tubes
High pressure air compressors
Science in torpedo factory in Rijeka
Torpedo testing know-how and R&D in Rijeka
Whitehead torpedo factory
Production and testing Whitehead torpedoes in United Kingdom
Torpedo testing and launching stations around the world
Factories/Branches of Whitehead torpedo factory Rijeka

- Weymouth, United Kingdom, from 1891
- Newport, USA, from 1892
- La Spezia, Italy, from 1907
- Lesnner and Obukoff, Krimea, Russia, from 1910
- St. Tropez, France, from 1913
- Napoli, Italy, from 1914
- Livorno, Italy, from 1934
Torpedo factory awards on World exhibitions
Prominent guests in Torpedo factory in Rijeka
Robert Whitehead
Rijeka’s honorable citizen 1877.
Robert Whitehead’s real estate in Rijeka (1905)
Robert Whitehead in England again 1900 (?)
Robert Whitehead’s last will
Robert Whitehead Dead.

LONDON, Nov. 14.—Robert Whitehead, inventor of the torpedo which bears his name, died to-day at Shrivenham, Berkshire.

The idea of the self-propelling torpedo originated with an officer of the Austrian marine artillery, but the first practical trials of the torpedo were made in 1864 by Mr. Whitehead, who was the Superintendent of iron works at Fiume. From that time on the Whitehead torpedo has undergone many improvements, and the right to use it has been purchased by the United States and most of the European nations.
Robert Whitehead
grave in Worth near Paddockhurst
Robert Whitehead estate value
Robert Whitehead heritage in Rijeka
Torpedo factory heritage in Rijeka today
Many thanks for coming and thank you for patience!

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Denis Cahill, Melbourne, Australia

State Archive in Rijeka, University Library in Rijeka, Croatia

Kriegs Archive, Wien, War Museum, Wien, Austria

Whitehead Alenia Sistemi Subacquei, Livorno, Italy

Archivio Storico di Citta di Fiume, Roma, Italy