

Fragment that accelerated the development of duralumin in Japan

Registration No.	Number 00362		
Registration Date	September 12, 2023	Registration Category	Category 2

Name (Model, etc.)	Fragment of Zeppelin airship framework
Location	Nagoya-shi, Aichi UACJ Corporation
Owner (Custodian)	UACJ Corporation
Manufacturer (Company)	Luftschiffbau Zeppelin GmbH
Year Manufactured	1910s
Year first appeared	1914
Reason For Selection	It is a fragment of Zeppelin airship framework, which inspired Japan's development of aluminum alloys for aircraft. In 1916, Engineer Commander Ujiie, stationed in London, obtained a piece of a Zeppelin airship made of Duralumin developed in Germany and brought it to Sumitomo Copper Works. Based on the results of his analysis, Shigezo Sugiura, who conducted the research, began trial production of Duralumin the following year. Two years later, he succeeded and named it "Sumitomo Duralumin," marking the beginning of Japan's production of aluminum alloys for aircraft and leading to the subsequent development and commercialization of Extra Super Duralumin, the strongest aluminum alloy in the world at the time. It is significant as an item that shows the history of technology.
Registration Standard	1-A (Show an important aspect or stage of the development of science and technology.) 1-C (Contributed to the creation of a new scientific or technological field.)

Open/Closed to Public	Open to Public
Photo	
Other useful information	