

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 6-K

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16 UNDER THE SECURITIES
EXCHANGE ACT OF 1934**

For the month of November 2023

Commission File Number: 001-41576

ECARX Holdings Inc.

(Translation of registrant's name into English)

**ECARX office, 2nd Floor South, International House
1 St. Katharine's Way
London E1W 1UN
United Kingdom**
(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F Form 40-F

ECARX to Establish a Joint Venture with smart

ECARX Holdings Inc. (Nasdaq: ECX) (“ECARX” or the “Company”), a global mobility tech provider, through its subsidiary, has entered into a shareholders’ agreement dated November 16, 2023 with smart Automobile Co., Ltd. (“smart”), a subsidiary of smart mobility Pte. Ltd, to establish a China-based joint venture for the development of automotive operating system software, in which the Company and smart will beneficially own 49% and 51% of the equity interest in the joint venture, respectively. Subject to the satisfaction of certain conditions precedent, including antitrust clearance and other regulatory requirements, the Company will subscribe for its 49% of the equity interest in the joint venture for a subscription price of RMB 49 million.

