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SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

SCHEDULE 13G

UNDER THE SECURITIES EXCHANGE ACT OF 1934  
(Amendment No. 2)\*

**HCM II ACQUISITION CORP**

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(Name of Issuer)

**Class A Ordinary Shares**

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(Title of Class of Securities)

**G43658106**

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(CUSIP Number)

**06/30/2025**

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(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)  
 Rule 13d-1(c)  
 Rule 13d-1(d)

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SCHEDULE 13G

**CUSIP No.** G43658106

Names of Reporting Persons

1 Picton Mahoney Asset Management

Check the appropriate box if a member of a Group (see instructions)

2  (a)  
 (b)

3 Sec Use Only

Citizenship or Place of Organization

4 CANADA (FEDERAL LEVEL)

	Sole Voting Power
5	
Number of Shares Beneficially Owned by Each Reporting Person With:	942,081.00
	Shared Voting Power
6	
	0.00
	Sole Dispositive Power
7	
	942,081.00
	Shared Dispositive Power
8	
	0.00
9	Aggregate Amount Beneficially Owned by Each Reporting Person
	942,081.00
10	Check box if the aggregate amount in row (9) excludes certain shares (See Instructions)
	<input type="checkbox"/>
11	Percent of class represented by amount in row (9)
	4.1 %
12	Type of Reporting Person (See Instructions)
	PN

**Comment for Type of Reporting Person:** Based upon 23,000,000 shares on 10Q for 3/31/2025

## SCHEDULE 13G

### Item 1.

Name of issuer:

(a)

HCM II ACQUISITION CORP

Address of issuer's principal executive offices:

(b)

100 First Stamford Place, Suite 330, Stamford, CONNECTICUT, 06902

### Item 2.

Name of person filing:

(a)

Picton Mahoney Asset Management

Address or principal business office or, if none, residence:

(b)

33 Yonge Street, #320, Toronto, ON M5E 1G4

Citizenship:

(c)

Canada

Title of class of securities:

(d)

Class A Ordinary Shares

CUSIP No.:

(e)

G43658106

Item 3. If this statement is filed pursuant to §§ 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

(a)

Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o);

(b)

Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c);

(c)

Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c);

(d)

Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C. 80a-8);

(e)

An investment adviser in accordance with § 240.13d-1(b)(1)(ii)(E);

(f)

An employee benefit plan or endowment fund in accordance with § 240.13d-1(b)(1)(ii)(F);

- (g)  A parent holding company or control person in accordance with § 240.13d-1(b)(1)(ii)(G);
- (h)  A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);
- (i)  A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3);
- (j)  A non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J). If filing as a non-U.S. institution in accordance with § 240.13d-1(b)(1)(ii)(J), please specify the type of institution:
- (k)  Group, in accordance with Rule 240.13d-1(b)(1)(ii)(K).

Investment Fund Manager

Item 4. Ownership

Amount beneficially owned:

- (a) 942081  
Percent of class:
- (b) 4.10 %
- (c) Number of shares as to which the person has:
  - (i) Sole power to vote or to direct the vote:  
942081
  - (ii) Shared power to vote or to direct the vote:  
0
  - (iii) Sole power to dispose or to direct the disposition of:  
942081
  - (iv) Shared power to dispose or to direct the disposition of:  
0

Item 5. Ownership of 5 Percent or Less of a Class.

Ownership of 5 percent or less of a class

Item 6. Ownership of more than 5 Percent on Behalf of Another Person.

Not Applicable

Item 7. Identification and Classification of the Subsidiary Which Acquired the Security Being Reported on by the Parent Holding Company or Control Person.

Not Applicable

Item 8. Identification and Classification of Members of the Group.

Not Applicable

Item 9. Notice of Dissolution of Group.

Not Applicable

Item 10. Certifications:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were acquired and are in the ordinary course of business and were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect. By signing below I certify that, to the best of my knowledge and belief, the foreign regulatory scheme applicable to [insert particular category of institutional investor] is substantially comparable to the regulatory scheme applicable to the functionally equivalent U.S. institution(s). I also undertake to furnish to the Commission staff, upon request, information that would otherwise be disclosed in a Schedule 13D.

SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Signature: Catrina Duong

Name/Title: General Counsel and Chief Compliance Officer

Date: 08/06/2025

**Comments accompanying signature:** After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.