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**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 January 2025**

Commission File Number: **001-40552**

**NYXOAH SA**

(Translation of registrant's name into English)

**Rue Edouard Belin 12, 1435 Mont-Saint-Guibert, Belgium**

(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

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1):

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7):

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**Nyxoah SA**

On December 20, 2024, Nyxoah SA (the “Company”) issued a press release, a copy of which is attached hereto as Exhibit 99.1.

*The information in the attached Exhibit 99.1 is being furnished and shall not be deemed “filed” for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any filing made by the Company under the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise set forth herein or as shall be expressly set forth by specific reference in such a filing.*

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**Exhibits**

99.1      [Press Release, dated December 20, 2024](#)

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**SIGNATURES**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned, thereunto duly authorized.

**NYXOAH SA**

Date: January 2, 2025

By: /s/ John Landry

Name: John Landry

Title: Chief Financial Officer

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**REGULATED INFORMATION****Publication relating to transparency notifications**

**Mont-Saint-Guibert (Belgium), December 20, 2024, 10:30 pm CET / 4:30 pm ET** – In accordance with article 14 of the Act of 2 May 2007 on the disclosure of large shareholdings, Nyxoah SA (Euronext Brussels/Nasdaq: NYXH) announces that it received a transparency notification as detailed below.

**BlackRock, Inc.**

On December 19, 2024, Nyxoah received a transparency notification from BlackRock, Inc. and related persons. Based on the notification, BlackRock, Inc. (together with its controlled undertakings) holds 1,124,630 voting rights, consisting of 1,122,658 shares and 1,972 equivalent financial instruments, representing 3.00% of the total number of voting rights on December 17, 2024 (37,427,265).

The notification dated December 18, 2024 contains the following information:

- Reason for the notification:
  - Acquisition or disposal of voting securities or voting rights
  - Acquisition or disposal of financial instruments that are treated as voting securities
- Notification by: a parent undertaking or a controlling person
- Persons subject to the notification requirement:
  - BlackRock, Inc. (with address at 50 Hudson Yards, New York, NY, 10001, U.S.A.)
  - BlackRock Advisors, LLC (with address at 50 Hudson Yards, New York, NY, 10001, U.S.A.)
  - BlackRock Financial Management, Inc. (with address at 50 Hudson Yards, New York, NY, 10001, U.S.A.)
  - BlackRock Fund Advisors (with address at 400 Howard Street, San Francisco, CA, 94105, U.S.A.)
  - BlackRock Institutional Trust Company, National Association (with address at 400 Howard Street, San Francisco, CA, 94105, U.S.A.)
  - BlackRock Investment Management (UK) Limited (with address at 12 Throgmorton Avenue, London, EC2N 2DL, U.K.)
  - BlackRock Investment Management, LLC (with address at 1 University Square Drive, Princeton, NJ, 8540, U.S.A.)
- Date on which the threshold was crossed: December 17, 2024
- Threshold that is crossed: 3%
- Denominator: 37,427,265

Notified details:

A) Voting rights	Previous notification	After the transaction			
	# of voting rights	# of voting rights		% of voting rights	
		Linked to securities	Not linked to the securities	Linked to securities	Not linked to the securities
<b>Holders of voting rights</b>					
BlackRock, Inc.	0	0		0.00%	
BlackRock Advisors, LLC	1,038,361	1,089,161		2.91%	
BlackRock Financial Management, Inc.	0	6,167		0.02%	
BlackRock Fund Advisors	446	255		0.00%	
BlackRock Institutional Trust Company, National Association	0	2,551		0.01%	
BlackRock Investment Management (UK) Limited	1,080	1,080		0.00%	
BlackRock Investment Management, LLC	25,234	23,444		0.06%	
<b>Subtotal</b>	<b>1,065,121</b>	<b>1,122,658</b>		<b>3.00%</b>	
<b>TOTAL</b>		<b>1,122,658</b>	<b>0</b>	<b>3.00%</b>	<b>0.00%</b>

B) Equivalent financial instruments		After the transaction				
Holders of equivalent financial instruments	Type of financial instrument	Expiration date	Exercise period or date	# of voting rights that may be acquired if the instrument is exercised	% of voting rights	Settlement
				BlackRock Fund Advisors	Securities Lent	
BlackRock Financial Management, Inc.	Contract Difference			1,772	0.00%	cash
<b>TOTAL</b>				<b>1,972</b>	<b>0.01%</b>	
<b>TOTAL (A &amp; B)</b>				<b># of voting rights</b>	<b>% of voting rights</b>	
				<b>1,124,630</b>	<b>3.00%</b>	

Full chain of controlled undertakings through which the holding is effectively held:

BlackRock, Inc.  
 BlackRock Finance, Inc.  
 Trident Merger, LLC  
 BlackRock Investment Management, LLC

BlackRock, Inc.  
BlackRock Finance, Inc.  
BlackRock Holdco 2, Inc.  
BlackRock Financial Management, Inc.  
BlackRock International Holdings, Inc.  
BR Jersey International Holdings L.P.  
BlackRock Holdco 3, LLC  
BlackRock Cayman 1 LP  
BlackRock Cayman West Bay Finco Limited  
BlackRock Cayman West Bay IV Limited  
BlackRock Group Limited  
BlackRock Finance Europe Limited  
BlackRock Investment Management (UK) Limited

BlackRock, Inc.  
BlackRock Finance, Inc.  
BlackRock Holdco 2, Inc.  
BlackRock Financial Management, Inc.  
BlackRock Holdco 4, LLC  
BlackRock Holdco 6, LLC  
BlackRock Delaware Holdings Inc.  
BlackRock Institutional Trust Company, National Association

BlackRock, Inc.  
BlackRock Finance, Inc.  
BlackRock Holdco 2, Inc.  
BlackRock Financial Management, Inc.  
BlackRock Holdco 4, LLC  
BlackRock Holdco 6, LLC  
BlackRock Delaware Holdings Inc.  
BlackRock Fund Advisors

BlackRock, Inc.  
BlackRock Finance, Inc.  
BlackRock Holdco 2, Inc.  
BlackRock Financial Management, Inc.

BlackRock, Inc.  
BlackRock Finance, Inc.  
BlackRock Holdco 2, Inc.  
BlackRock Financial Management, Inc.  
BlackRock Capital Holdings, Inc.  
BlackRock Advisors, LLC

· Additional information: The disclosure obligation arose due to total holdings in voting rights for BlackRock, Inc. going above 3%. Please note that the actual percentage in section 10 (A) is 2.99%. The form displays it as remaining at 3% due to the rounding of the form.

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**Contact:**  
**Nyxoah**  
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