### SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

#### Post-Effective Amendment No. 24

to

## Form S-11

REGISTRATION STATEMENT UNDER THE SECURITIES ACT OF 1933

## Ares Industrial Real Estate Income Trust Inc.

(Exact name of registrant as specified in its charter)

One Tabor Center
1200 Seventeenth Street, Suite 2900
Denver, Colorado 80202
Telephone (303) 228-2200
(Address of principal executive offices)

Jeffrey W. Taylor
Partner, Co-President
Ares Industrial Real Estate Income Trust Inc.
One Tabor Center
1200 Seventeenth Street, Suite 2900
Denver, Colorado 80202
Telephone (303) 228-2200
(Name, address and telephone number of agent for service)

copies to:
Alice L. Connaughton
Morrison & Foerster LLP
2100 L Street, NW, Suite 900
Washington, DC 20037
(202) 887-1500

Approximate date of commencement of proposed sale to the public: This post-effective amendment is being filed pursuant to Rule 462(d) under the Securities Act and will be effective upon filing. If any of the Securities being registered on this Form are to be offered on a delayed or continuous basis pursuant to Rule 415 under the Securities Act, check the following box: If this Form is filed to register additional securities for an offering pursuant to Rule 462(b) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.  $\Box$ If this Form is a post-effective amendment filed pursuant to Rule 462(c) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering.  $\square$ If this Form is a post-effective amendment filed pursuant to Rule 462(d) under the Securities Act, check the following box and list the Securities Act registration statement number of the earlier effective registration statement for the same offering. 

Registration No. 333-255376 If delivery of the prospectus is expected to be made pursuant to Rule 434, check the following box.  $\Box$ Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, a smaller reporting company or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company" and "emerging growth company" in Rule 12b-2 of the Exchange Act. Accelerated filer Large accelerated filer Smaller reporting company Non-accelerated filer Emerging growth company If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 7(a)(2)(B) of the Securities Act. □

## EXPLANATORY NOTE

This Post-Effective Amendment No. 24 to the Registration Statement on Form S-11 (Registration No. 333-255376) of Ares Industrial Real Estate Income Trust Inc. is filed pursuant to Rule 462(d) solely to add certain exhibits not previously filed with respect to such Registration Statement.

# PART II. INFORMATION NOT REQUIRED IN PROSPECTUS

### Item 36. Financial Statements and Exhibits

(b) Exhibits. The following exhibit is filed as part of this Registration Statement:

Exhibit Number		Exhibit	
23.1	Consent of KPMG LLP.		

### **SIGNATURES**

Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all of the requirements for filing on Form S-11 and has duly caused this Post-Effective Amendment No. 24 to Form S-11 Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the City of Denver, State of Colorado, on March 22, 2023.

ARES INDUSTRIAL REAL ESTATE INCOME TRUST INC.

By:	/s/ JEFFREY W. TAYLOR	
	Jeffrey W. Taylor	
	Partner, Co-President	
	(Principal Executive Officer)	

Pursuant to the requirements of the Securities Act of 1933, this Post-Effective Amendment No. 24 to Form S-11 registration statement has been signed by the following persons in the following capacities on March 22, 2023.

Signature	Title
*	Co-Chairman of the Board of Directors
William S. Benjamin	<del></del>
*	Co-Chairman of the Board of Directors
Dwight L. Merriman III	
*	Director
Marshall M. Burton	
*	Director
Charles B. Duke	
*	Director
Rajat Dhanda	
*	Director
John S. Hagestad	
*	Director
Stanley A. Moore	
/s/ JEFFREY W. TAYLOR	Partner, Co-President
Jeffrey W. Taylor	(Principal Executive Officer)
/s/ SCOTT A. SEAGER	Managing Director, Chief Financial Officer and Treasurer
Scott A. Seager	(Principal Financial Officer and Principal Accounting Officer)
*By: /s/ SCOTT A. SEAGER	Attorney-in-Fact
Scott A. Seager	<del></del>

## Consent of Independent Registered Public Accounting Firm

We consent to the use of our report dated March 20, 2023, with respect to the consolidated financial statements and financial statement schedule III of Ares Industrial Real Estate Income Trust Inc., included herein, and to the reference to our firm under the heading "Experts" in the prospectus.

/s/KPMG LLP

Denver, Colorado March 22, 2023