

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

FORM 20-F
(Amendment No. 1)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF
THE SECURITIES EXCHANGE ACT OF 1934

- REGISTRATION STATEMENT PURSUANT TO SECTION 12(B) OR (G) OF THE SECURITIES EXCHANGE ACT OF 1934,
OR
X ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934
for the Fiscal Year Ended December 31, 2011
OR
TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934
OR
SHELL COMPANY REPORT PURSUANT TO SECTION 13 OR 15(D) OF THE SECURITIES EXCHANGE ACT OF 1934

000-29374
(Commission file number)

EDAP TMS S.A.

(Exact name of registrant as specified in its charter)

France

(Jurisdiction of incorporation or organization)

Parc d'Activites la Poudrette-Lamartine

4/6, rue du Dauphiné

69120 Vaulx-en-Velin, France

(Address of principal executive offices)

Mrs. Blandine Confort

Tel. +33 4 72 15 31 50, E-mail: bconfort@edap-tms.com

Parc d'Activites la Poudrette-Lamartine, 4/6, rue du Dauphiné, 69120 Vaulx-en-Velin, France

(Name, Telephone, E-mail and Address of Company Contact Person)

Securities registered or to be registered pursuant to Section 12(b) of the Act:

Table with 2 columns: Title of each class, Name of each exchange on which registered. Rows include American Depository Shares and Ordinary Shares.

Securities registered or to be registered pursuant to Section 12(g) of the Act: None

Securities for which there is a reporting obligation pursuant to Section 15(d) of the Act: None

Outstanding shares of each of the issuer's classes of capital or common stock as of December 31, 2011: 13,345,004 Ordinary Shares

Indicate by check mark if the registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act.

Yes No X

If this report is an annual or transition report, indicate by check mark if the registrant is not required to file reports pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934.

Yes No X

Indicate by check mark whether the registrant: (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months... and (2) has been subject to such filing requirements for the past 90 days

Yes X No

Indicate by check mark whether the registrant has submitted electronically and posted on its corporate Website, if any, every Interactive Data File required to be submitted and posted pursuant to Rule 405 of Regulation S-T

Yes X No

Indicate by check mark whether the registrant is a large accelerated filer, an accelerated filer, or a non-accelerated filer. See definition of "accelerated filer and large accelerated filer" in Rule 12b-2 of the Exchange Act.

Large accelerated filer Accelerated filer Non-accelerated filer X

Indicate by check mark which basis of accounting the registrant has used to prepare the financial statements included in this filing:

U.S. GAAP X International Financial Reporting Standards as issued by the International Accounting Standards Board Other

If "Other" has been checked in response to the previous question indicate by check mark which financial statement item the registrant has elected to follow.

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If this is an annual report, indicate by check mark whether the registrant is a shell company (as defined in Rule 12b-2 of the Exchange Act).

Yes _____ No X

EXPLANATORY NOTE

This Amendment No. 1 to the Annual Report on Form 20-F for the fiscal year ended December 31, 2011, originally filed with the Securities and Exchange Commission on April 26, 2012 (the "2011 Form 20-F"), is being filed solely for the purposes of adding Exhibit 101 to Item 19 "Exhibits" and furnishing the Interactive Data File disclosure as Exhibit 101 in accordance with Rule 405 of Regulation S-T. This Exhibit was not previously filed.

Other than as expressly set forth above, this Amendment No. 1 to the 2011 Form 20-F does not, and does not purport to, amend, update or restate the information in any other item of the 2011 Form 20-F, or reflect any events that have occurred after the 2011 Form 20-F was originally filed.

PART III

Item 19. Exhibits

Number	Exhibit Description
101.INS*	XBRL Instance document
101.SCH*	XBRL Taxonomy Extension Schema Document
101.CAL*	XBRL Taxonomy Extension Calculation Linkbase Document
101.DEF*	XBRL Taxonomy Extension Definition Linkbase Document
101.LAB*	XBRL Taxonomy Extension Label Linkbase Document
101.PRE*	XBRL Taxonomy Extension Presentation Linkbase Document

* XBRL (eXtensible Business Reporting Language) information is furnished and not filed or a part of a registration statement or prospectus for purposes of Sections 11 or 12 of the Securities Act of 1933, as amended, is deemed not filed for purposes of Section 18 of the Exchange Act of 1934, as amended, and otherwise is not subject to liability under these sections.

SIGNATURES

The registrant hereby certifies that it meets all of the requirements for filing on Form 20-F and that it has duly caused and authorized the undersigned to sign this Amendment No. 1 to its annual report on Form 20-F on its behalf.

EDAP TMS S.A.

Dated: May 21, 2012

/s/ Marc Oczachowski
Marc Oczachowski
Chief Executive Officer

Dated: May 21, 2012

/s/ Eric Soyer
Eric Soyer
Chief Financial Officer