

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

SCHEDULE 13D

Under the Securities Exchange Act of 1934
(Amendment No. 5)*

Abengoa Yield plc

(Name of Issuer)

Ordinary Shares, nominal value \$0.10 per share

(Title of Class of Securities)

G00349103

(CUSIP Number)

**José Domínguez Abascal
Campus Palmas Altas
C/ Energía Solar
41014, Seville, Spain**

(Name, Address and Telephone Number of Persons
Authorized to Receive Notices and Communications)

December 9, 2015

(Date of Event Which Requires Filing of this Statement)

If the filing person has previously filed a statement on Schedule 13G to report the acquisition that is the subject of this Schedule 13D, and is filing this schedule because of Rule 13d-1(e), 13d-1(f) or 13d-1(g), check the following box.

* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page

The information required on this cover page shall not be deemed to be "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the "Act"), or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

1 Names of Reporting Persons:
Abengoa Concessions Investments Limited

2 Check the Appropriate Box if a Member of a Group:

(a)

(b)

3 SEC Use Only

4 Source of Funds:
AF

5 Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e):

6 Citizenship or Place of Organization:

7 Sole Voting Power
0

Number of Shares Beneficially Owned by Each Reporting Person With 8 Shared Voting Power
43,279,832*

9 Sole Dispositive Power
0

10 Shared Dispositive Power
43,279,832*

11 Aggregate Amount Beneficially Owned by Each Reporting Person
43,279,832*

12 Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares:

13 Percent of Class Represented by Amount in Row (11):
43.19%**

14 Type of Reporting Person:
CO

* See Item 5 of this statement on Schedule 13D.

** Based on 100,217,260 ordinary shares in issue as of September 30, 2015 as set forth in the Issuer's Report on Form 6-K (No. 001-36487) filed with the Securities and Exchange Commission on November 6, 2015.

1 Names of Reporting Persons:
Abengoa Concessions, S.L.

2 Check the Appropriate Box if a Member of a Group:

(a)

(b)

3 SEC Use Only

4 Source of Funds:
AF

5 Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e):

6 Citizenship or Place of Organization:
Kingdom of Spain

7 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

8 Shared Voting Power
43,279,832*

9 Sole Dispositive Power
0

10 Shared Dispositive Power
43,279,832*

11 Aggregate Amount Beneficially Owned by Each Reporting Person
43,279,832*

12 Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares:

13 Percent of Class Represented by Amount in Row (11):
43.19%**

14 Type of Reporting Person:
CO, HC

* See Item 5 of this statement on Schedule 13D.

** Based on 100,217,260 ordinary shares in issue as of September 30, 2015 as set forth in the Issuer's Report on Form 6-K (No. 001-36487) filed with the Securities and Exchange Commission on November 6, 2015.

1 Names of Reporting Persons:
Abengoa Solar, S.A.

2 Check the Appropriate Box if a Member of a Group:

(a)

(b)

3 SEC Use Only

4 Source of Funds:
AF

5 Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e):

6 Citizenship or Place of Organization:
Kingdom of Spain

7 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

8 Shared Voting Power
43,279,832*

9 Sole Dispositive Power
0

10 Shared Dispositive Power
43,279,832*

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13 Percent of Class Represented by Amount in Row (11):
43.19%**

14 Type of Reporting Person:
CO, HC

* See Item 5 of this statement on Schedule 13D.

** Based on 100,217,260 ordinary shares in issue as of September 30, 2015 as set forth in the Issuer's Report on Form 6-K (No. 001-36487) filed with the Securities and Exchange Commission on November 6, 2015.

1 Names of Reporting Persons:
Abengoa, S.A.

2 Check the Appropriate Box if a Member of a Group:

(a)

(b) o

3 SEC Use Only

4 Source of Funds:
WC

5 Check Box if Disclosure of Legal Proceedings Is Required Pursuant to Item 2(d) or 2(e): o

6 Citizenship or Place of Organization:
Kingdom of Spain

7 Sole Voting Power
0

Number of
Shares
Beneficially
Owned by
Each
Reporting
Person With

8 Shared Voting Power
43,279,832*

9 Sole Dispositive Power
0

10 Shared Dispositive Power
43,279,832*

11 Aggregate Amount Beneficially Owned by Each Reporting Person
43,279,832*

12 Check Box if the Aggregate Amount in Row (11) Excludes Certain Shares: o

13 Percent of Class Represented by Amount in Row (11):
43.19%**

14 Type of Reporting Person:
CO, HC

* See Item 5 of this statement on Schedule 13D.

** Based on 100,217,260 ordinary shares in issue as of September 30, 2015 as set forth in the Issuer's Report on Form 6-K (No. 001-36487) filed with the Securities and Exchange Commission on November 6, 2015.

Amendment No. 4 to the Original Schedule 13D filed on October 29, 2015 (together with the Original Schedule 13D, Amendment No. 1, Amendment No. 2, Amendment No. 3 and this Amendment No. 5, the “**Schedule 13D**”) and is jointly filed by the Reporting Persons (as defined in the Original Schedule 13D) with respect to the ordinary shares of Abengoa Yield plc, nominal value of \$0.10 per share (the “**Ordinary Shares**”). Unless otherwise indicated, each capitalized term used but not otherwise defined herein shall have the meaning ascribed to such term in the Original Schedule 13D. This Amendment No. 5 amends the Original Schedule 13D, Amendment No. 1, Amendment No. 2, Amendment No. 3 and Amendment No. 4 as specifically set forth herein.

This Amendment No. 5 is being filed by the Reporting Persons to report that, as of the date hereof, Abengoa has delivered an aggregate of 5,873,470 Ordinary Shares to certain holders of the 5.125% Exchangeable Notes due 2017 (the “**Exchangeable Notes**”) that have exchanged their Exchangeable Notes pursuant to the terms of the fiscal agency agreement dated March 5, 2015 between Abengoa and Citibank N.A., London Branch (the “**Exchangeable Settlement**”). As of the date of this Amendment No. 5, Abengoa expects to deliver an additional 407,649 Ordinary Shares on the applicable settlement dates to certain holders of the Exchangeable Notes that have delivered a notice to exchange.

Item 5. Interest in Securities of the Issuer.

As a result of the Exchangeable Settlement, Item 5 of the Schedule 13D is hereby amended and restated as follows:

(a) As of December 14, 2015, ACI is the direct beneficial owner of 43,279,832 Ordinary Shares and the Reporting Persons beneficially own 43.19% of the Ordinary Shares.

The following persons listed on Schedule A beneficially own the number of Ordinary Shares of the Issuer indicated: Ricardo Hausmann (280 Ordinary Shares), Jesus Garcia Quilez (3,900 Ordinary Shares) and Alfonso González Domínguez (4,690 Ordinary Shares).

(b) As of December 14, 2015, Abengoa, Abengoa Concessions and Abengoa Solar through their ownership of ACI, may be deemed to share voting and dispositive power over the 43,279,832 Ordinary Shares beneficially owned by ACI.

(c) Except for the Exchangeable Settlement, no Reporting Person has effected any transactions in the Ordinary Shares during the past sixty days. To the knowledge of the Reporting Persons, none of the directors and officers of the Reporting Persons listed in Schedule A to this Schedule 13D effected any transactions in the Ordinary Shares during the past sixty days.

(d) Other than the Reporting Persons, no person is known to have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the Reporting Persons’ securities.

(e) Not applicable.

Item 6. Contracts, Arrangements, Understandings or Relationships with Respect to Securities of the Issuer.

Item 6 of the Schedule 13D is hereby amended by replacing the paragraphs under the headings “Exchangeable Notes” and “Margin Loan Facility Agreement” with the following:

Exchangeable Notes

On February 26, 2015, Abengoa sold an aggregate of \$279,000,000 principal amount of 5.125% Exchangeable Notes due 2017 (the “**Exchangeable Notes**”). The Exchangeable Notes are exchangeable, at the option of the holders of the Exchangeable Notes, for Ordinary Shares that are beneficially owned by the Reporting Persons. The Exchangeable Notes were issued by Abengoa pursuant to a fiscal agency agreement dated March 5, 2015 between Abengoa and Citibank N.A., London Branch (the “**Fiscal Agency Agreement**”). As of the date hereof, Abengoa has delivered an aggregate of 5,873,470 Ordinary Shares to holders that exercised their option to exchange Exchangeable Notes and Abengoa expects to deliver an additional 407,649 Ordinary Shares on the applicable settlement dates to certain holders of the Exchangeable Notes that have delivered a notice to exchange. As of December 14, 2015, there were 1,201,559.74 Ordinary Shares subject to delivery to holders of the Exchangeable Notes upon exchange of the outstanding Exchangeable Notes.

Secured Term Facility Agreement

On October 22, 2015, ACI entered into a Secured Term Facility Agreement (the “**Facility Agreement**”) with Talos Capital Limited (the “**Lender**”), pursuant to which it is required to enter into related security documents (collectively, the “**Loan Documents**”). ACI is entitled to borrow up to \$130,000,000 (the “**Loan Amount**”) under the Facility Agreement. Under the terms of the Loan Documents, ACI has pledged and granted a security interest in 14,000,000 Ordinary Shares of the Issuer (the “**Pledged Shares**”), in favor of the Lender as security for the Loan Amount and its obligations under the Loan Documents. The loan will mature 24 months following the date of the Facility Agreement, but upon the exercise of certain events that are customary for this type of loan, the Lender may exercise its right to require ACI to repay all or part of the Loan Amount, post additional collateral or foreclose on, and dispose of, the Pledged Shares in accordance with the Loan Documents.

SIGNATURES

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

Dated: December 14, 2015

ABENGOA, S.A.

By: /s/ José Dominguez Abascal
Name: José Dominguez Abascal
Title: Executive Chairman

ABENGOA CONCESSIONS, S.L.

By: /s/ Joaquin Fernandez de Piérola
 Name: Joaquin Fernandez de Piérola
 Title: Chairman

ABENGOA SOLAR, S.A.

By: /s/ Armando Zuluaga Zilberman
 Name: Armando Zuluaga Zilberman
 Title: Chief Executive Officer

ABENGOA CONCESSIONS INVESTMENTS LIMITED

By: /s/ Joaquin Fernandez de Piérola
 Name: Joaquin Fernandez de Piérola
 Title: Chairman

INFORMATION REGARDING THE INSTRUCTION C PERSONS

The following sets forth the name, position, address, principal occupation and citizenship of each director and executive officer of the applicable Reporting Persons.

DIRECTORS OF ABENGOA, S.A.

<u>Name</u>	<u>Principal Occupation or Employment</u>	<u>Business Address</u>	<u>Citizenship</u>
José Domínguez Abascal	Executive Chairman of Abengoa, S.A.	(1)	Spain
Antonio Fornieles Melero	Vice chairman and lead independent director of Abengoa, S.A.	(1)	Spain
Joaquín Fernández de Piérola Marín	Director of Abengoa, S.A.	(1)	Spain
Javier Benjumea Llorente	Director of Abengoa, S.A. Chairman of the International Advisory Board of Abengoa, S.A.	(1)	Spain
José Joaquín Abaurre Llorente	Industrial Engineer. Director of Abengoa, S.A.	(1)	Spain
José Luis Aya Abaurre	Technical Engineer in Agriculture. Director of Abengoa, S.A.	(1)	Spain
José Borrell Fontellés	Professor of Introduction to Economic Analysis at Madrid's Universidad Complutense	(1)	Spain
Mercedes Gracia Díez	Professor of Econometrics at Madrid's Universidad Complutense and at Centro Universitario de Estudios Financieros	(1)	Spain
Ricardo Martínez Rico	President and CEO of Equipo Económico	(1)	Spain
Claudi Santiago Ponsa	Officer of First Reserve Corporation	(1)	Spain
Ignacio Solís Guardiola	Regional Director for private banking of Lloyds Bank	(1)	Spain
Alicia Velarde Valiente	Notary	(1)	Spain
Ricardo Hausmann	Director of the Centre for International Development and a Professor at Harvard University	(1)	Venezuela

EXECUTIVE OFFICERS OF ABENGOA, S.A.

<u>Name</u>	<u>Principal Occupation or Employment</u>	<u>Business Address</u>	<u>Citizenship</u>
José Domínguez Abascal	Executive Chairman	(1)	Spain
Joaquín Fernández de Piérola Marín	Director of Abengoa, S.A.	(1)	Spain
Jesús Ángel García-Quilez Gómez	Chief Financial Officer	(1)	Spain
Ignacio Garcia Alvear	Co-Chief Financial Officer, responsible for Investor Relations & Capital Markets	(1)	Spain
Alfonso González Domínguez	Engineering and Construction and South America Executive VP	(1)	Spain
Armando Zuluaga Zilbermann	Solar Executive VP	(1)	Spain
Carlos Cosin Fernández	Water Executive VP	(1)	Spain
Álvaro Polo Guerrero	Human Resources Director	(1)	Spain
Luis Fernández Mateo	Director of Organization, Quality and Budgets	(1)	Spain
Juan Carlos Jiménez Lora	Director of Planning and Control	(1)	Spain
Germán Bejarano García	Assistant CEO, International Institutional Relations Director	(1)	Spain
Daniel Alaminos Echarri	General Secretary	(1)	Spain
Luis Enrique Pizarro Maqueda	Chief Audit Officer	(1)	Spain
Enrique Borrajo Lovera	Consolidation and Reporting Officer	(1)	Spain
Miguel Ángel Jiménez-Velasco Mazarío	Compliance Officer	(1)	Spain
Enrique Aroca Moreno	Chief Information Officer	(1)	Spain
Manuel Doblaré Castellano	Abengoa Research General Director	(1)	Spain

(1) Campus Palmas Altas, Calle Energía Solar, No. 1, 41014 Seville, Spain.

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ABENGOA SOLAR, S.A.

DIRECTORS AND EXECUTIVE OFFICERS

Name	Principal Occupation or Employment	Business Address	Citizenship
Armando Zuluaga Zilbermann Director and Chief Executive Officer	Solar Executive VP, Abengoa, S.A. CEO of Abengoa Solar, S.A.	(1)	Spain
Javier Benjumea Llorente Director	Director of Abengoa, S.A.	(1)	Spain
Fernando de las Cuevas Terán Secretary to the Board and General Counsel	General Counsel of Abengoa Solar, S.A.	(1)	Spain
Javier Albarracín Chief Financial Officer	CFO of Abengoa Solar, S.A.	(1)	Spain
David Fernández Chief Operating Officer	COO of Abengoa Solar, S.A.	(1)	Spain

(1) Campus Palmas Altas, Calle Energía Solar, No. 1, 41014 Seville, Spain.

ABENGOA CONCESSIONS, S.L.

DIRECTORS AND EXECUTIVE OFFICERS

Name	Principal Occupation or Employment	Business Address	Citizenship
Joaquín Fernandez de Piérola Chairman	Director of Abengoa, S.A.	(1)	Spain
Jesús Ángel Garcia-Quílez Member	Chief Financial Officer, Abengoa, S.A.	(1)	Spain
Daniel Alaminos Echarri Secretary	General Secretary, Abengoa, S.A.	(1)	Spain

(1) Campus Palmas Altas, Calle Energía Solar, No. 1, 41014 Seville, Spain.

ABENGOA CONCESSIONS INVESTMENTS LIMITED

DIRECTORS AND EXECUTIVE OFFICERS

Name	Principal Occupation or Employment	Business Address	Citizenship
Joaquín Fernandez de Piérola Chairman	Director of Abengoa, S.A.	(1)	Spain
Jesús Ángel Garcia-Quílez Member	Chief Financial Officer, Abengoa, S.A.	(1)	Spain
Juan Carlos Jiménez Lora Secretary	Director of Planning and Control, Abengoa, S.A.	(1)	Spain

(1) Campus Palmas Altas, Calle Energía Solar, No. 1, 41014 Seville, Spain.

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