

MANAGEMENT SYSTEM CERTIFICATE

Certificate No:
141445-2013-AQ-USA-UKAS

Initial certification date:
31, July, 2011

Valid:
18, January, 2018 - 30, July, 2020

This is to certify that the management system of

AIR PRODUCTS AND CHEMICALS, INC.

7201 Hamilton Boulevard, Allentown, PA, 18195 1526, USA
and the sites as mentioned in the appendix accompanying this certificate

has been found to conform to the Quality Management System standard:
ISO 9001:2015

This certificate is valid for the following scope:

The Provision of Design, Manufacturing, Distribution and Servicing of Medical and Industrial Gases, Cryogenic Liquids Plants and Equipment.

Place and date:
London, 18, January 2018



For the issuing office:
DNV GL – Business Assurance
United Kingdom, 4th Floor, Vivo Building,
30 Stamford Street, London, SE1 9LQ,
United Kingdom

D.P. Koek
Management Representative

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom.
TEL: +44(0) 203 816 4000. www.dnvgl.co.uk/assurance

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Appendix to Certificate

AIR PRODUCTS AND CHEMICALS, INC.

Locations included in the certification are as follows:

Site Address	Site Scope
Allentown HQ 7201 Hamilton Boulevard Allentown, Pennsylvania 18195, USA	Provision of Services for Magnetic Resonance Imaging; Distribution and Fill Services of Cryogenes and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Aberdeen Enterprise Drive, Westhill Industrial Estate Westhill, Aberdeen, AB32 6TQ, United Kingdom	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Adams 13240 E Aspen Rd., Adams, NE 68301-4103, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Alcala de Guadaira Ctra. Sevilla-Malaga-Granada, Km. 9.6 – 41500 – Alcala de Guadaria, Spain	Filling of Gases/or and Gas Mixtures. Medical Gases. Container Maintenance.
Allentown HQ (MRI Field Technicians) 7201 Hamilton Boulevard Allentown, Pennsylvania 18195, USA	Provision of Services for Magnetic Resonance Imaging; Distribution and Fill Services of Cryogenes and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Amsterdam Schalkwijkpolderweg 2, 1165 AC Halfweg, Netherlands	Filling of Gases and/or Gas Mixtures. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment.
Aranjuez Ctra. De Toledo, nº 7 28300 -Aranjuez, Spain	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Provision of services for magnetic resonance imaging; Distribution and Fill Services of Cryogenes and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Arrigorriaga Barrio Chaco s/n 48480-Arrigorriaga, Spain	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants.
Ashland 125 Russell Road Ashland, Kentucky 41101-7256, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Austin Freescale 6501 William Cannon Drive West Austin, Texas 78735-8523, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Austin SAS 12100 Samsung Blvd., Austin, TX 78754-1903	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Austin Spansion 5204 East Ben White Boulevard Austin, Texas 78741-7306, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom.
TEL: +44(0) 203 816 4000. www.dnvgl.co.uk/assurance

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Avezzano Avezzano, 67051, Italy	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Banting H2 Facility Lot 1, Lorong Perak 1, Batu 9, Jalan Klang Banting, Telok Panglima Garang, 42500 Kuala Langat, Selangor Darul Ehsan, Malaysia	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline
Bardon Walker Road, Hilltop Industrial Estate, Bardon Hill, Coalville, Leicestershire, LE67 1TU, United Kingdom	Filling of Gases and Gas Mixtures. Medical Gases. Container Maintenance.
Basingstoke Hampshire International Business Park Crockford Lane, Chineham, Basingstoke Hants, RG24 8GA, United Kingdom	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
Baytown Exxon-Mobil 5503 West Baker Road Baytown, Texas 77520-1611, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Beauvais Rue de L'Industrie, ZI Nr 2 60000, Beauvais, France	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Blue Ocean Industrial Gases (BOIG) No.88-1, Sec. 2, Nanti Road Wuqi District, Taichung City 435, Taiwan	Medical Gases. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Bountiful 745 South Frontage Road Centerville, Utah 84014-2102, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Boyceville N 10189 370th st., Boyceville, WI 54725, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Botlek Boyneweg 10 3197, Botlek, Netherlands	Operation and Maintenance of Industrial Gas Plants. Pipeline. The management and supply of utilities.
Brampton 2090 Steeles Avenue East Brampton, Ontario L6T 1A7, Canada	Helium – Manufacturing of helium Industrial (Liquid and/or Gaseous).
Brno Tuřanka 94, 627 00, Brno – Slatina, Czech Republic	Filling of Gases and/or Gas mixtures. Container Maintenance.
Brzeg Dolny ul. Sienkiewicza 29 Brzeg Dolny 56-120, Poland	Filling of Gases and/or Gas mixtures. Medical Gases. Container Maintenance.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Butler 300 Schaffner Road (Butler Twp) Lyndora, Pennsylvania 16045-1065, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Butler 4590 County Road #59 Butler, Indiana 46721-9747 USA	Medical gases. Operation and Maintenance of Industrial Gas Plants. Pipeline
Cacem Estrada Nacional 249-3 Km. 1,8-D S. Marcos 2735-307, Cacem, Portugal	Filling of Gases and/or Gas mixtures. Medical Gases. Container Maintenance.
Carrington Manchester Road Carrington, Manchester, M31 4TG, United Kingdom	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline. Purity Analysis of Industrial Gases.
Chalampe Zone Industrielle de Chalampe, 68490 France	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chandler 275 South Price Road Chandler, Arizona 85224-4932, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Cheonan 91, 3 Gongdan 2-Ro, Seobuk-Gu, Cheonan Si, Chungcheongnam-Do, Korea	Filling of gases and/or gas mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chuke 1 No. 1, Creation Road 1, Hsinchu Science Park Hsinchu City, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chuke 2 No. 19, Li-Hsin Road, Hsinchu Science Park, Hsinchu City, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chuke 3 No. 2 Creation Road 1, Hsinchu Science Park Hsinchu City, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chungke 1 No.19 Ke Ya Road, Hsiang Shan Village, Daya Township 42881 Taichung City, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chungke 2 No.429-1, Sanfong Road Houli Township, Taichung City 421, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Chupei No 2-1, Tai-Ho Road Chu-Pei City, Hsin-Chu County, Taiwan	Filling of Gases and/or Gas mixtures. Container Maintenance. Distribution/ Fleet.
Cikarang Cikarang Industrial Estate Blok F1-3 Bekasi, Cikarang, West Java, 17530, Indonesia	Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Cincinnati (O2) 4900 Este Avenue Cincinnati, Ohio 45232-1462, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Claremont 801 5th St., Claremont, MN 55924-4701, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Cleveland 2820 Quigley Road Cleveland, Ohio 44113-4513, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Convent 12465 Highway 70 East Convent, Louisiana 70723-3003, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Conyers 1535 Old Covington Road Conyers, Georgia 30013-3501, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Cornella Avinguda de la Fama Cornella de Llobregat, Spain	Customer Engineering and Maintenance - The design, fabrication, installation and maintenance of bulk gas supply systems, pipelines and gas processing equipment. Distribution/ Fleet.
Council Bluffs 10990 189th St., Council Bluffs, IA 51503-6962, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Creighton Route 28, 500 Freeport Road Creighton, Pennsylvania 15030-1056, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Cressier c/o Petroplus Refining Cressier SA CH-2088, Cressier, Switzerland	Operation and Maintenance of Industrial Gas Plants.
Czestochowa U1 Rejtana 8 42-200, Czestochowa, Poland	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Decatur 75 Ipsco Street NW Decatur, Alabama 35601-7410, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Děčín Ústecká 30 405 30 Děčín 5, Czech Republic	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Customer Engineering and Maintenance - The design, fabrication, installation and maintenance of bulk gas supply systems, pipelines and gas processing equipment.
Didcot Harrier Park, Hawksworth Didcot, Oxon, OX11 7PL, United Kingdom	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants. Provision of services for magnetic resonance imaging; Distribution and Fill Services of Cryogenics and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Doe Canyon 15085 County Road 15, Cahone, CO 81320, USA	Helium, – Manufacturing of Helium Industrial (Liquid and/or Gaseous) Operation and Maintenance of Industrial Gas Plants
Dongguan No.36 Binhe Road, Jinhe Community, Zhangmutou Town, Dongguan City, Guangdong Province, China	Filling of Gases and/or Gas mixtures. Container Maintenance. Distribution/Fleet

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Dubai PO Box 16912, Jebel Ali Free Zone, Dubai, United Arab Emirates	Filling of Gases and/or Gas Mixtures. Container Maintenance. Speciality Gases; Provision of service for magnetic resonance imaging.
Dublin Unit 950, Western Industrial Estate Killeen Road, Dublin 12, Ireland	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
El Morell Pol. Industrial El Morell, Apartad El Morell 43760, Tarragona, Spain	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Fishkill Hudson Valley Research Park, Route 52 East Fishkill, New York 12533-6683, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Florence 3001 West Radio Drive Florence, South Carolina 29501-7801, USA	Medical Gases. Helium, Medical – Manufacturing of Helium Medical & Industrial (Liquid and/or Gaseous).
Galt 98 Industrial Court Galt, California 95632-1562, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Geismar SSU 36637 Highway 30 Geismar, Louisiana 70734-3524, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Gent Arbedkaai 1 9042, Gent, Belgium	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Giheung 3, Nongseo-Ro 46Beon-Gil, Giheung-Gu, Yongin-Si, Gyeonggi-Do, Korea	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Glenmont 461 River Road Glenmont, New York 12077-4307, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Glogow Ul. Zukowicka 1 67-231 Glogow, Poland	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Gopeng Lot 213079, Jalan Industri 4/1, Gopeng Industrial Park, 31600 Gopeng, Perak Darul Ridwan, Malaysia	Filling of gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants.
Granite City 2200 Monroe Street Granite City, Illinois 62040-5426, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Gresik JI. Alpha Maspion, Lot L-12 Kawasan Estate Desa Manyar, Gresik East Java, 61151, Indonesia	Customer Engineering and Maintenance - The design, fabrication, installation and maintenance of bulk gas supply systems, pipelines and gas processing equipment. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Guangzhou 100 Junda Road, Eastern Section, GETDD Guangzhou, China	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Gumi 179-82, Okgye2gongdan-ro, Gumi-si Gyeongsangbuk-do, Korea	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Gumi 4 300-9, Gongdan dong, Gumi-si Gyeongsangbuk-do, Korea	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Gunsan 51, Oehang 6-Gil, Gunsan-si Jeollabuk-do, Korea	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Hansford State Highway 136 Gruver, Texas 79040, USA	Medical Gases. Helium, Medical – Manufacturing of Helium Medical & Industrial (Liquid and/or Gaseous).
Hattingen Ander Kost 3 D-45527 Hattingen, Germany	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants.
Hsiaogang 1 No.45-1, Zhongheng Street Hsiaogang District, Kaohsiung City, Taiwan	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Pipeline.
Hudson 79 Reed Road Hudson, Massachusetts 01749-2809, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Huelva Av. Francisco Montenegro s/n Huelva, Spain	Operation and Maintenance of Industrial Gas Plants.
Hukou 1 No.32, Fuxing Rd., Hukou Township Hsinchu County 303, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Hull Saltend Lane, Hedon Hull, HU12 8PP, United Kingdom	Medical gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Hwaseong 54-52, Dongtanhana 1-gil, Hwaseong-si, Gyeonggi-do, Korea	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Isle of Grain LNG Importation Terminal - Gate 1, Isle of Grain, Rochester, ME3 OAJ, United Kingdom	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kedzierzyn (Korzonek) ul. Gliwicka 31 47-220 Kedzierzyn-Kozle, Poland	Filling of Gases and/or Gas Mixtures. Container Maintenance.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Kedzierzyn Zakład Produkcji Gazów Technicznych Waryńskiego, 47-220, Kedzierzyn Kozle, Poland	Medical gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Keumiee Zoning Industriel de Keumiee, Rue de la Spinette, Sombreffe 5140, Belgium	Filling of Gases and/or Gas mixtures. Container Maintenance. Manufacturing, prepackaging and supply of special and high integrity gases, gas mixtures, including gases for the electronics industry.
Kingsport 425 Moreland Drive Kingsport, Tennessee 37660-5464, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kiryat Gat No. 1 Haplatina Boulevard Industrial Area Kiryat Gat, Israel	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kuanyin 1 No. 1, Kung-Yeh 7th Road, Kuan-Yin Hsiang, Taoyuan County, Taiwan	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kuanyin 2 No. 16-1, Kung-Yeh 1st Road, Kuan-Yin Hsiang, Taoyuan County, Taiwan	Medical Gases. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline
Kuantan H2 Facility Lot HS(D) 3831, P.T 1627 Daerah Kuantan, Mukim Sungei Karang (Pelabuhan Kuantan), 26080 Pahang Darul Makmur, Malaysia	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kulim Lot 31, Jalan Hi-Tech Park, Kulim Hi-Tech Park, 09000 Kulim, Kedah Darul Aman, Malaysia	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Kunshan No. 1188 Fu Chunjiang Road, Kunshan Economical Development Zone, Jiangsu Province, 215300 China	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet.
L'Isle d'Abeau 95 Avenue des Arrivaux 38070 St Quentin Fallavier, France	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Customer Engineering and Maintenance- The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Operation and Maintenance of Industrial Gas Plants.
La Canonja Pol. Ind Entrevias N-340, Km. 1156 Tarragona IQA, Spain	Operation and Maintenance of Industrial Gas Plants.
La Pobla de Mafumet Ctra. La Pobla a Tarragona, KM. 2 43140 La Pobla de Mafumet, Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.
La Pobla de Mafumet Tarragona HYCO Polígono industrial Norte S/N 43140 La Pobla de Mafumet (Tarragona) (junto Repsol petróleo)	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Laguna de Duero Avda de Madrid 82 47140 Laguna de Duero, Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
LaPorte 10202 Strang Road LaPorte, Texas 77571-9721, USA	Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants. Pipeline. Helium, Hydrogen- Manufacturing of Industrial Gases (Liquid and/or Gaseous), Medical Gases /Noble Gases & CO
Largo 7900 118th Avenue Largo, Florida 33773-5009, USA	Container Maintenance. Helium & Hydrogen – Transfill of Helium & Hydrogen Industrial (Liquid and/or Gaseous).
La Salle Civic Road LaSalle, Illinois 61301-3249, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Lancaster 3250 Hempland Road Lancaster, Pennsylvania 17601-1314, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Leixlip c/o Intel Ireland Ltd Leixlip, Co. Kildare, Ireland	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Liberal Panhandle Road /East Highway 54 Liberal, Kansas 67901, USA	Container Maintenance. Operation and Maintenance of Industrial Gas Plants
Litvinov c/o Chemopetrol, DS 163 43670 Litvinov, Czech Republic	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Lille Templemars Z.I. Rue de L'Epinoy 59175, Templemars, France	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
Llanwern Queensway, Spencer Works Llanwern Newport, NP19 4QX, United Kingdom	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Long Beach 901 West 12th Street Long Beach, California 90813-2813, USA	Container Maintenance. Helium, Medical – Manufacturing of Helium Medical & Industrial (Liquid and/or Gaseous).
Longtan 1 No. 1-1, Hsinhe Road, Aspire Park Lungtan 325 Taoyuan County, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Luchu 1 No. 38, Hai-San-Chung St, Hai-Hu Village Lu-Chu Hsiang, Taoyuan County, Taiwan	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet.
Lüneburg Gebruder-Heyn-Strasse 17 D-21337 Lüneburg, Germany	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Marlborough 102 Hayes Memorial Drive Marlborough, Massachusetts 01752-1888, USA	Container Maintenance. Hydrogen - Transfil of Hydrogen (Liquid and/or Gaseous).

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Manalapan 405 Route 33 Manalapan, New Jersey 07726-4240, USA	Medical Gases. Container Maintenance. Helium, Medical – Manufacturing of Helium Medical & Industrial (Liquid and/or Gaseous).
Marratxi Poligono Industrial Can Rubiol – c/. Cetellers 142 07141, Marratxi, Spain	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
Massiac 27 Rue de la Ribeyre Massiac, France	Filling of Gases and/or Gas Mixtures. Medical Gases.
Massalfassar Poligono Mediterraneo Ildfonso Carrascosa Parcela 20-21, 46560 Massalfassar, Spain	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
Maurepas 3 et 5 Rue Marie Curie, ZI Pariwest 78310 Maurepas, France	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Medina 4141 Bates Rd., Medina, NY 14103-9706, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Merak C/O Peni Site Merak, JI Raya Merak Km 116, Desa Rawa Arum, Merak, Cilegon Banten, 42436, Indonesia	Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Middletown 2500 Yankee Road Middletown, Ohio 45044-7652, USA	Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants. Pipeline. Manufacturing of Industrial Gases, Medical Gases and/or Noble Gases
Midlothian 310 Ward Road Midlothian, Texas 76065-9646, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Milton 1250 Chicago St., Milton, WI 53563-1844, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Migdal Ha'emek No. 1 Mourizio Levi Boulevard Ramat Gavriel Industrial Area, Migdal Ha'emek, Israel	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Mogi das Cruzes Rua Joao Cardoso dos Santos, 741 - Mogi das Cruzes Sao Paulo CEP 08770-030, Brazil	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/Fleet. Operation and Maintenance of Industrial Gas Plants. Provision of Services for Magnetic Resonance Imaging; Distribution and Fill Services of Cryogenes and Cryoshielding Services to Magnetic Resonance Imaging Customers.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Monroe 1120 W 17th St., Monroe, WI 53566-2394, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
Mooreland 28052 State Highway 50, Southland Industrial Center Mooreland, Oklahoma 73852, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Nanjing No.99 Bailong Road Nanjing Chemical Industrial Park, Liuhe District Nanjing City, Jiangsu Province, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 1 No. 772, Singnong Road Shanhua Township Tainan City 741, Taiwan	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 2 No.3, Sec. 1, Huansi Road, Tainan City Southern Taiwan Science Park 74147, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 3 No.21, Zihlian Road, Tainan City, Southern Taiwan Science Park, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 5 No.5, Sec.2 Hwan-Shi Road Tainan City, Southern Taiwan Science Park	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 6 No.57, Nanke 3rd Rd., Xinshi Dist., Tainan City 74147, Taiwan (R.O.C.)	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanke 7 No.3, Anshun 1st Rd, Shanhua Dist, Tainan City, Taiwan (R.O.C)	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Nanticoke II & III Lake Erie Industrial Park, Reg. Road 3 Nanticoke, Ontario NOA 1LO, Canada	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Neuenstadt Otto-Neumeister-Strasse 7 D-74196 Neuenstadt am Kocher, Germany	Filling of Gases and/or Gas Mixtures. Container Maintenance. Provision of Services for Magnetic Resonance Imaging; Distribution and Fill Services of Cryogenics and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Nevada 59511 Lincoln Hwy, Nevada, IA 50201-7992, USA	Operation and Maintenance of Industrial Gas Plants. CO ₂ , Food/Beverage Grade – Manufacturing of CO ₂ Food Grade & Industrial (Liquid and/or Gaseous)
New Orleans 14700 Intracoastal Drive New Orleans, Louisiana 70129-2301, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Oak Creek 701 West Oakwood Road Oak Creek, Wisconsin 53154-5613, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Ochang 20, Gwahaksaneop 3-ro, Oksan-myeon, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do 363-911, Korea	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Odessa 3300 Air Products Blvd., Odessa, TX 79766, USA	Operation and Maintenance of Industrial Gas Plants.

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom.
TEL: +44(0) 203 816 4000. www.dnvgl.co.uk/assurance

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Orlando 8300 Exchange Drive Orlando, Florida 32809-7652, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Pasir Gudang PLO 209, Jalan Perak Satu Kawasan Perusahaan Pasir Gudang, 81700 Pasir Gudang, Johor Darul Takzim, Malaysia	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet.
Perafita (Porto) Rua do Progresso 53 Perafita 4451-801, Leça da Palmeira, Portugal	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.
Perlio-Fene Calle Ameneiral 60 1500 Perlio Fene, Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Petersburg 25803 Hofheimer Way Petersburg, Virginia 23803-8905, USA	Operation and Maintenance of Industrial Gas Plants.
Poznan ul. Krancowa 14 Poznan 61-022, Poland	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Prai Lot 386 & 387, Lorong Perusahaan 12, Prai Industrial Estate 13600 Prai Pulau Pinang, Malaysia	Filling of Gases and/or Gas mixtures. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Prai 3 Lot 1236, Prai Industrial Estate 13600 Prai, Pulau Pinang, Malaysia	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Pryor Highway 69A & 412B 4078 Hunt Street Pryor, Oklahoma 74361, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Puyallup 1500 39th Avenue SE Puyallup, Washington 98374-2268, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Putian 999, Qianyun Village, Dongzhuang Town Xiuyu Industrial Zone, PuTian 351158, China	Distribution/ Fleet.
Reidsville 225 Equity Road Reidsville, North Carolina 27320, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Rio Rancho 680 Quantum Road Rio Rancho, New Mexico 87124, USA	Operation and Maintenance of Industrial Gas Plants. Pipeline.

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom.
TEL: +44(0) 203 816 4000. www.dnvgl.co.uk/assurance

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Rognac Rue Gustave Eiffel, Zone Industrielle Nord 13340 Rognac, France	Filling of Gases and/or Gas mixtures. Container Maintenance. Provision of Services for Magnetic Resonance Imaging; Distribution and Fill Services of Cryogenes and Cryoshielding Services to Magnetic Resonance Imaging Customers.
Rotterdam HyCO4 Botlekweg 127 Botlek 3297KH, Netherlands	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Sacramento 5025 83 rd Street Sacramento, California 95826, USA	Filling of Gases and/or Gas Mixtures. Operation and Maintenance of Industrial Gas Plants.
Sakra 41, Sakra Avenue 627875 Singapore	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Sarnia 20 Indian Road South, Sarnia, Ontario, N7T 3W8 Canada	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Sant Celoni Poligono Nord-Este, Ctra.Comarcal 35 Km. 59,2, 08470 Sant Celoni, Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Sant Esteve Sesrovires (Ca N'Estella) Poligono Ca N'Estella, c/. Dr. Fleming, 29, 08635 Sant Esteve Sesrovires (Barcelona), Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Santa Clara 1515 Norman Avenue Santa Clara, California 95054-2029, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Santa Fe Springs 8934 Dice Road Santa Fe Springs, California 90670-2518, USA	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Schiltigheim 4 Avenue Medes France 67304 Schiltigheim, France	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Semambu Lot 27, Jalan Industri Semambu 1 Kawasan Perindustrian Semambu, 25350 Kuantan, Pahang Darul Makmur, Malaysia	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet.
Senoko 25, Senoko Avenue 758311, Singapore	Filling of Gases and/or Gas Mixtures. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet. Specialty Gases.
Shah Alam Lot 54, Jalan Sungai Besar 26/7, Section 26 (Hicom Sector B), 40000 Shah Alam, Selangor Darul Ehsan, Malaysia	Filling of Gases and/or Gas Mixtures. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Shenzhen Guangming No. 16 Keyu Road, Guangming New District, Shenzhen City, Guangdong Province	Operation and Maintenance of Industrial Gas Plants.
Shicheng 1 No 11, Lane 293, Hsin-Shu Road Hsin-Chuang City, Taipei County, Taiwan	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Distribution/ Fleet. Specialty Gases.
Siewierz ul Kielecka 30 42-470 Siewierz, Poland	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Planning of Liquid Bulk Deliveries and Customer Service for CEE
St. Augustin 185 Rue de Grand Lacs, Saint Augustin-de- Desmaures, St. Augustin, Quebec G3A 2E3 Canada	Medical Gases. Operation and Maintenance of Industrial Gas Plants.
Stallingborough Laporte Road Stallingborough, DN41 8DX, United Kingdom	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Stavanger (Sandnes) Luramyrveien 27, 4300 Sandnes, Stavanger, Norway	Filling of Gases and/or Gas mixtures. Container Maintenance.
Stoke on Trent Festival Way, Festival Park, Hanley, Stoke, ST1 5HB, United Kingdom	Container Maintenance. Periodic in service cylinder inspection and maintenance including Exceptional checks.
Stade Werk Stade, Stader Elbstrasse 27 D-21683, Stade, Germany	Operation and Maintenance of Industrial Gas Plants.
Strasbourg PEC, 72B Quai Jacoutot 67000, Strasbourg, France	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Taichung 2 No 9, Kung-Yeh 3 Road Taichung Industrial Zone, Tai- Chung City, Taiwan	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/Fleet. Specialty Gases.
Tainan 1 No 28, Ho-Pin East Road Yong-Kang City, Tai-Nan County, Taiwan	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Distribution/Fleet. Specialty Gases.
Tangjeong 380-33, Tangjeong-Ro, Tangjeong-myeon, Asan- Si, Chungcheongnam-do, Korea	Operation and Maintenance of Industrial Gas Plants. Pipeline.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Tangshan No.2 Yinfeng Street, Yinfeng Industry Zone, Fengnan District, Tangshan City, Hebei Province, 063300, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Tanzi 1 No.153, Sec.3, Chung-Shan Road Tantzou Township, Taichung City, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline. Servicing of Industrial Gases.
Tarnow 33-101 Tarnów ul. E. Kwiatkowskiego 8, Poland	Operation and Maintenance of Industrial Gas Plants.
Telde Urbanizacion Industrial Salinetas 35219 Telde (Las Palmas de Gran Canaria), Spain	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Operation and Maintenance of Industrial Gas Plants.
Tianjin No.15 MinHe Road Xiqing Economic Zone, Tianjin, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline
Tongxiang No. 839 South Wenhua Road Tongxiang City, Zhejiang Province, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline
Tres Cantos Ronda Valdecarrizo, no. 49 Tres Cantos, Madrid, Spain	Medical Gases. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Ulsan 1, 4 15, Seokdang Gil, Onsan-eup, Ulju-gun, Ulsan Metropolitan city, Korea	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Ulsan 487-83, Cheoyongro, Nam-gu, Ulsan Metropolitan city, Korea	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Union City 1558 N 600 E, Union City, IN 47390-9157, USA	Operation and Maintenance of Industrial Gas Plants. CO2, Food/Beverage Grade – Manufacturing of CO2 Food Grade & Industrial (Liquid and/or Gaseous)
Valdepenas Ctra. Nacional IV, Km. 201 13300 Valdapenas (Ciudad Real), Spain	Filling of Gases and/or Gas Mixtures. Container Maintenance.
Vilvoorde I Jan Frans Willemsstraat 100 1800 Vilvoorde, Belgium	Filling of Gases and/or Gas Mixtures. Container Maintenance. Customer Engineering and Maintenance - The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment.
Vilvoorde II Houtemsesteenweg 20 1800 Vilvoorde, Belgium	Filling of Gases and/or Gas Mixtures. Container Maintenance. Provision of services for magnetic resonance imaging.
Walkden Sharp Street Walkden, Manchester, M28 5WA, United Kingdom	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance. Customer Engineering and Maintenance– The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment.
Warszawa U1. Bukowiecka 71 03-893, Warszawa, Poland	Filling of Gases and/or Gas Mixtures. Medical Gases. Container Maintenance.

Lack of fulfilment of conditions as set out in the Certification Agreement may render this Certificate invalid.

ACCREDITED UNIT: DNV GL Business Assurance UK Limited, 4th Floor, Vivo Building, 30 Stamford Street, London, SE1 9LQ, United Kingdom.
TEL: +44(0) 203 816 4000. www.dnvgl.co.uk/assurance

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Weinan No 3 South Guangtong Road, Dongfeng Street Western Part, High Technical Development Zone Weinan City, Shaanxi Province, 71400, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Westport #07-02, Lot E, Jalan Sg. Pinang 5/18, Sek 5 Fasa 2DF, Taman Industri Pulau Indah, 42920 Pelabuhan Klang, Selangor Darul Ehsan, Malaysia	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Wilhelmshaven Vosslapper Groden, Inhausersieler Str'an. 25 26388, Wilhelmshaven, Germany	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Worcester Warndon Business Park, Prescott Drive, Worcester, WR4 9RH, United Kingdom	Filling of Gases and/or Gas Mixtures. Container Maintenance. Customer Engineering and Maintenance- The Design, Fabrication, Installation and Maintenance of Bulk Gas Supply Systems, Pipelines and Gas Processing Equipment. Distribution/ Fleet. Supply and distribution of liquefied and compressed gases and the provision of associated equipment and services. Filling of specialty and industrial gases and gas mixtures.
Xi'an No. 1235, Zongsi Road, Hi-Tech, Comprehensive Bounded Zone, Xi'an City, Shaanxi Province, China	Filling of Gases and/or Gas Mixtures. Operation and maintenance of industrial gas plants. Pipeline
Xingtai West of Jiacun Road, Qiaoxi District Xingtai City, China	Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Yunke 1 No. 108, Sec. 3, Yunke Road Douliao City, Yunlin County 640, Taiwan	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Yunke 2 No.8, Kegung 7th Road, Douliao City, Yunlin County 640, Taiwan	Operation and Maintenance of Industrial Gas Plants. Pipeline.
Zaragoza Camino Viejo de los Molinas 34 50015 Zaragoza, Spain	Distribution/ Fleet.

Certificate No: 141445-2013-AQ-USA-UKAS
Place and date: London, 13, November 2017

Site Address	Site Scope
Zhangjiagang Inside of Dongma Palm, No. 15 Beijing Road Yangtze River International Chemical Industrial Park, Zhangjiagang, Jiangsu, P.R.C., China	Filling of Gases and/or Gas Mixtures. Container Maintenance. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Zhongshan Shangnan Industrial Zone, Fusha Town, Zhongshan City, Guangdong Province	Filling of gases and/or gas mixtures. Distribution/ Fleet
Zhuhai Inside of BPZ PTA Site, Biyang Road Gaolan Port Economic Zone 519050 Zhuhai, Guangdong, China	Filling of Gases and/or Gas Mixtures. Container Maintenance. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Zibo HyCO Inside of Jinjing Glass Co., Ltd. YardNew & High Tec. Development Park Zibo City Shandong Province, China	Filling of Gases and/or Gas Mixtures. Container Maintenance. Distribution/ Fleet. Operation and Maintenance of Industrial Gas Plants. Pipeline.
Air Products AS Vigeveien 52, 4th Floor, Kristiansand, N-4633, Norway	Gen Gas Equipment: Development, engineering and design, marketing, sales, fabrication – in part through subcontractors – delivery, service and maintenance of Membrane/PSA nitrogen generators and Membrane/PSA Process Gas Treatment systems.
Prism® Membranes 11444 Lackland Road St. Louis, Missouri 63146, USA	Gen Gas Equipment: Design, Development and Manufacture of Hollow Fiber Membrane Separators for the Aerospace, Air Compression, Oil and Gas, Petrochemical and Other Related Industries.
Permea China Ltd No 60, Jinshajiang Road, Yantai Economic and Technical Development Zone, Shandong Province, China	Design and provision of gas separation systems.