



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

September 30, 2020

Joint Legislative Commission on Governmental Operations
North Carolina General Assembly
Raleigh, North Carolina 27601

RE: Report from the State Treasurer to the Joint Legislative Commission on Governmental Operations: Divestments Relating to the Sudan (Darfur) Divestment Act of 2007

Dear Commission Members:

The North Carolina Department of State Treasurer (the "Department") hereby submits its annual report pursuant to N.C. Gen. Stat. § 147-86.45 of the Sudan (Darfur) Divestment Act of 2007 (codified at N.C. Gen. Stat. §§ 147-86.41 to 147-86.49), as amended (the "Act").

In addition to providing the updated list of companies that are subject to the Act's divestment requirements, this report provides an update regarding any investments that were sold, redeemed, divested, or withdrawn in compliance with the Act in the current reporting year.

I. Final Divestment List—Sudan, as of August 30, 2020

Companies listed as a result of their own apparent activities in Sudan may be found on the "Final Divestment List—Sudan," which is enclosed with this document. Known parents and subsidiaries of these restricted companies are also subject to the Act and are included.

II. Summary of Investments Sold, Redeemed, Divested, or Withdrawn

In the current annual reporting cycle, no investments have been sold, redeemed, divested, or withdrawn pursuant to the Act.

Thank you for your attention to this report.

Sincerely,

Dale R. Folwell

Dale R. Folwell, C.P.A.
State Treasurer of North Carolina

Enclosures: Final Divestment List—Sudan (Compiled as of August 30, 2020)



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FINAL DIVESTMENT LIST—SUDAN

Compiled as of August 30, 2020

Pursuant to N.C. Gen. Stat. § 147-86.43, the State Treasurer has determined that the companies listed below appear to be engaged in “restricted business operations,” as that term is defined in the amended Sudan (Darfur) Divestment Act of 2007 (the “Act”), based on federal sanctions lists and other publicly available, credible information. This updated List may be found at the State Treasurer’s website: <https://www.nctreasurer.com>.

The State Treasurer and North Carolina Retirement Systems may not invest funds, and must divest any existing investment, with the restricted companies listed below. N.C. Gen. Stat. § 147-86.44.

“Company” is defined by the Act to include not only restricted companies listed as a result of their own apparent restricted business operations in Sudan but also any “wholly-owned subsidiaries, majority-owned subsidiaries, parent companies, or affiliates of such entities.” N.C. Gen. Stat. § 147-86.42(3).

The Department of State Treasurer is not responsible for compliance with the Act by other agencies or State political subdivisions. The Department’s responsibilities are solely focused on implementing N.C. Gen. Stat. § 147-86.44, which relates to the Department’s investments, and implementing the Act as it relates to the identification of companies that appear to be engaged in restricted business operations in Sudan (and their affiliates).

Restricted Company	Restricted Company
ASEC Company for Mining ASCOM, S.A.E	Oil India Ltd.
AviChina Industry & Technology Company Limited	Orca Gold Inc.
Bharat Heavy Electricals Ltd.	PetroChina Co., Ltd.
China Petroleum & Chemical Corp.	Petrolam Nasional Berhad
Egypt Kuwait Holding Company S.A.E.	Power Construction Corporation of China, Ltd.
Elsewedy Electric Co	Resolute Mining Ltd.
Harbin Electric Company Limited	Rostec Corporation
Managem S.A.	Schneider Electric SE
Mangalore Refinery and Petrochemicals Limited	Siberian Mining Group Company Limited
Oil and Natural Gas Corp. Ltd.	The Energy House Holding Company K.S.C. (Closed)

Affiliate Company Name	Relationship	Restricted Company
3W Networks FZE	Subsidiary	Elsewedy Electric Co.
7-Technologies A/S	Subsidiary	Schneider Electric SE
Abore Mining Co. Ltd.	Subsidiary	Resolute Mining Ltd.
ABS EMEA	Subsidiary	Schneider Electric SE
Addax Petroleum International Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Aerospace Equipment Corp.	Subsidiary	Rostec Corporation
Aershan Drinks (Beijing) Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
African Eagle Resources Plc /Kakumbi Gold Project Ops/	Subsidiary	Resolute Mining Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Akka Gold Mining	Subsidiary	Managem SA
Al Dindir Petroleum International Co. Ltd.	Subsidiary	The Energy House Holding Company K.S.C. (Closed)
Al Mada	Parent	Managem SA
Al Meshari Heavy Equipment Trading LLC	Subsidiary	The Energy House Holding Company K.S.C. (Closed)
Alombard	Subsidiary	Schneider Electric SE
Alombard SA	Subsidiary	Schneider Electric SE
Amerada Hess Indonesia Holdings Ltd.	Subsidiary	PetroChina Co., Ltd.
American Power Conversion Corp. (A.P.C.) BV	Subsidiary	Schneider Electric SE
American Power Conversion Denmark Aps	Subsidiary	Schneider Electric SE
American Power Conversion Europe	Subsidiary	Schneider Electric SE
American Power Conversion France	Subsidiary	Schneider Electric SE
American Power Conversion Portugal PC Prod Elect SOCUNIP Ltda	Subsidiary	Schneider Electric SE
American Power Conversion UK Ltd.	Subsidiary	Schneider Electric SE
APC BENELUX BV	Subsidiary	Schneider Electric SE
APC DEUTSCHLAND GMBH	Subsidiary	Schneider Electric SE
Apc Distribution Ltd.	Subsidiary	Schneider Electric SE
Apc Emea Ltd.	Subsidiary	Schneider Electric SE
Apc Suzhou Ups Co. Ltd.	Subsidiary	Schneider Electric SE
APC-MGE Systems	Subsidiary	Schneider Electric SE
Applied Instrument Technologies, Inc.	Subsidiary	Schneider Electric SE
Arab Cables & Electrical Industries Co.	Subsidiary	Elsewedy Electric Co.
ASCO Power Technologies LP	Subsidiary	Schneider Electric SE
AST Modular SL	Subsidiary	Schneider Electric SE
Aster Capital Partners SAS	Subsidiary	Schneider Electric SE
Ateliers de Constructions Electr de Grenoble P Marie et CIE	Subsidiary	Schneider Electric SE
Atos Automacao Industrial Ltda.	Subsidiary	Schneider Electric SE
AVEVA Group Plc	Subsidiary	Schneider Electric SE
Aviacapital-Service LLC	Subsidiary	Rostec Corporation
Aviation Capital Services LLC	Subsidiary	Rostec Corporation
AVIC Aerospace Life-Support Industries Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
AVIC Tianjin Aviation Electro-Mechanical Co. Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
AviChina Hong Kong Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
Avichina Industry & Technology /Microbus Vehicle Engine Bus/	Subsidiary	AviChina Industry & Technology Co. Ltd.
AviChina Intelligent Surveying & Mapping Science & Tech Co Ltd	Subsidiary	AviChina Industry & Technology Co. Ltd.
Avionica Concern JSC	Subsidiary	Rostec Corporation
Baise Mining Group Co., Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Baling Petrochemical Corp.	Subsidiary	China Petroleum & Chemical Corp.



Affiliate Company Name	Relationship	Restricted Company
Beacon Purchaser Corp.	Subsidiary	Schneider Electric SE
BEI Ideacod SAS	Subsidiary	Schneider Electric SE
Beijing Feitian Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Beijing Fortune Huiyuan Gas Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Beijing Leader & Harvest Electric Technologies Co., Ltd.	Subsidiary	Schneider Electric SE
Berger Lahr GmbH & Co.	Subsidiary	Schneider Electric SE
Berger Lahr Positec GmbH	Subsidiary	Schneider Electric SE
Berger Lahr Positec GmbH & Co. KG	Subsidiary	Schneider Electric SE
Bharat Heavy Plates & Vessels Ltd.	Subsidiary	Bharat Heavy Electricals Ltd.
Biotekhнологia Corp.	Subsidiary	Rostec Corporation
BP-Petrochina Fuels JV	Subsidiary	PetroChina Co., Ltd.
Brion Duvernay Gas Partnership	Subsidiary	PetroChina Co., Ltd.
Carpenteria Gold Pty Ltd	Subsidiary	Resolute Mining Ltd.
Caspian Investments Resources Ltd.	Subsidiary	China Petroleum & Chemical Corp.
CEE Schneider Electric K��zep-Kelet Europai Kft	Subsidiary	Schneider Electric SE
China Aviation Publishing & Media Co., Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
China Hydropower Engineering Consulting Group Co.	Subsidiary	Power Construction Corporation of China, Ltd.
China International United Petroleum & Chemicals Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China National Petro Corp. /Dayuan & Qingyang Refinery Ops/	Subsidiary	PetroChina Co., Ltd.
China National Petroleum Marketing Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
China Petrochemical Corp. Henan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
China Petrochemical Refining Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petrochemical Technology Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Co. Ltd. /Lube Jingmen Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Co. Ltd. /Tahe Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Anhui Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Changling Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Hebei Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Henan Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Jiujiang Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Liaoning Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Maoming Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Shandong Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Wuhan Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. (Zhejiang Ningbo Branch)	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Arg Petroleum Assets/	Subsidiary	China Petroleum & Chemical Corp.



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Affiliate Company Name	Relationship	Restricted Company
China Petroleum & Chemical Corp. /East China Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Guangdong Pete Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Hubei Yichang Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Jiangsu Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Jiangsu Suzhou Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Lubricant Tianjin Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Shanghai & Hua Dong Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Shanghai Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. /Tianjin Branch/	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. Chuanyu Trading Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Corp. Ltd. Lubricant Co.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum & Chemical Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Petroleum Group Jiangnan Petroleum Management Bureau	Subsidiary	China Petroleum & Chemical Corp.
China Resources Petrochemicals Investments Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Shengli Oilfield Longxi Petroleum Eng Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China Shipping & Sinopec Suppliers Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
China State-Owned Assets Supervision & Admn Commission	Parent	China Petroleum & Chemical Corp.
China State-Owned Assets Supervision & Admn Commission	Parent	AviChina Industry & Technology Co. Ltd.
China State-Owned Assets Supervision & Admn Commission	Parent	PetroChina Co., Ltd.
China State-Owned Assets Supervision & Admn Commission	Parent	Power Construction Corporation of China, Ltd.
Chuanyu Trading Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Cie Financiãre Sgte SA	Subsidiary	Schneider Electric SE
Cimac Automation Pvt Ltd.	Subsidiary	Schneider Electric SE
Cimac Electrical & Automation WLL	Subsidiary	Schneider Electric SE
Citect, Inc.	Subsidiary	Schneider Electric SE
Clipsal Asia Holdings Ltd.	Subsidiary	Schneider Electric SE
Clipsal Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Clipsal Malaysia Sdn. Bhd.	Subsidiary	Schneider Electric SE
Clipsal Manufacturing Huizhou Co. Ltd.	Subsidiary	Schneider Electric SE
Clipsal Middle East FZCO	Subsidiary	Schneider Electric SE
CNPC Kunlun Natural Gas Exploitation Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Cofibel SA	Subsidiary	Schneider Electric SE
Cofimines SA	Subsidiary	Schneider Electric SE
Compagnie de Tifnout Tiranmine	Subsidiary	Managem SA



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Affiliate Company Name	Relationship	Restricted Company
Compagnie de Transports et de Travaux Aeriens	Subsidiary	Managem SA
Compagnie MiniÃre de Dades	Subsidiary	Managem SA
Compagnie MiniÃre de Saghro	Subsidiary	Managem SA
Compagnie MiniÃre Doumjrane	Subsidiary	Managem SA
Compton Greaves Ltd. /Low Tension Control Gear Business/	Subsidiary	Schneider Electric SE
Concern Aviation Equipment OJSC	Subsidiary	Rostec Corporation
Concern Radio-Electronic Technologies JSC	Subsidiary	Rostec Corporation
Concern Uralvagonzavod JSC	Subsidiary	Rostec Corporation
Controlli	Subsidiary	Schneider Electric SE
Conzerv Systems Pvt Ltd.	Subsidiary	Schneider Electric SE
CP EletrÃnica SA	Subsidiary	Schneider Electric SE
Crouzet AG	Subsidiary	Schneider Electric SE
Crouzet Componenti SRL	Subsidiary	Schneider Electric SE
Crouzet Gesellschaft Mit BeschrÃnkter Haftung	Subsidiary	Schneider Electric SE
D5X SAS	Subsidiary	Schneider Electric SE
Daqing Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Daqing Oilfield Construction Group Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Daqing Petrochemical Complex	Subsidiary	China Petroleum & Chemical Corp.
Daqing Refining & Chemicals Co.	Subsidiary	PetroChina Co., Ltd.
Dianjian Haiyu Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Dianjian International Finance Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Dinel SA	Subsidiary	Schneider Electric SE
Dongguan China Resources Petroleum & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Dps Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
EBC, Inc. /Software Editing Business/	Subsidiary	Schneider Electric SE
E-Business @ Schneider Electric SAS	Subsidiary	Schneider Electric SE
ECP Tech Services, Inc.	Subsidiary	Schneider Electric SE
EFI Electronics Corp.	Subsidiary	Schneider Electric SE
Egypt Kuwait Holding (Private Equity)	Subsidiary	Egypt Kuwait Holding Co. SAE
Egyptian Co. for Manufacturing Electrical Insulators	Subsidiary	Elsewedy Electric Co.
Egytech Cables Co. EL Sewedy SAE	Subsidiary	Elsewedy Electric Co.
EI Sewedy Cables - Egypt SAE	Subsidiary	Elsewedy Electric Co.
EI Sewedy Electric Group	Subsidiary	Elsewedy Electric Co.
EI Sewedy Electric Transmission & Distribution Co.	Subsidiary	Elsewedy Electric Co.
Elari OY	Subsidiary	Schneider Electric SE
ELAU Elektronik Automations AG	Subsidiary	Schneider Electric SE
Elau GmbH	Subsidiary	Schneider Electric SE
Elau Systems Italia SRL	Subsidiary	Schneider Electric SE



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Affiliate Company Name	Relationship	Restricted Company
Elda-Eltra Elektrotechnika SA	Subsidiary	Schneider Electric SE
Electrical South LP	Subsidiary	Schneider Electric SE
Elektriska AB Delta	Subsidiary	Schneider Electric SE
Eljo AB	Subsidiary	Schneider Electric SE
Elko AB	Subsidiary	Schneider Electric SE
Elko AS	Subsidiary	Schneider Electric SE
Elmat Aps	Subsidiary	Schneider Electric SE
Elsewedy Cables-Qatar WLL	Subsidiary	Elsewedy Electric Co.
ELSEWEDY Electric PSP	Subsidiary	Elsewedy Electric Co.
Elsewedy Electric Syria	Subsidiary	Elsewedy Electric Co.
ELSO GmbH	Subsidiary	Schneider Electric SE
EMIT Transformers	Subsidiary	Schneider Electric SE
Energy Conservation Systems Pty Ltd.	Subsidiary	Schneider Electric SE
Engen Ltd.	Subsidiary	Petroliam Nasional Berhad
EPS Electrical Power Distribution Board & Switchgear Ltd.	Subsidiary	Schneider Electric SE
Equity Holding International Ltd.	Subsidiary	Egypt Kuwait Holding Co. SAE
Esmi AB Oy	Subsidiary	Schneider Electric SE
Esmi AS	Subsidiary	Schneider Electric SE
Etablissements Bardin	Subsidiary	Schneider Electric SE
Feller AG	Subsidiary	Schneider Electric SE
Ferrite Domen Co.	Subsidiary	Rostec Corporation
Financiãre Mge Sas	Subsidiary	Schneider Electric SE
Fininfor Group	Subsidiary	Schneider Electric SE
First International Oil Corp.	Subsidiary	China Petroleum & Chemical Corp.
Forever Glowing International Pte Ltd.	Subsidiary	PetroChina Co., Ltd.
Fushun Petroleum & Chemical Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Gãnsan Elektrik Malzemeleri Sanayi ve Ticaret AS	Subsidiary	Schneider Electric SE
Gala Srouk Co. for Spinning	Subsidiary	ASEC Company for Mining ASCOM, S.A.E
Gaoqiao Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Gas District Cooling (KLIA) Sdn. Bhd.	Subsidiary	Petroliam Nasional Berhad
Gas District Cooling (M) Sdn. Bhd.	Subsidiary	Petroliam Nasional Berhad
Gas District Cooling (Putrajaya) Sdn. Bhd.	Subsidiary	Petroliam Nasional Berhad
Gas District Cooling (UTP) Sdn. Bhd.	Subsidiary	Petroliam Nasional Berhad
Gerard Industries Pty Ltd. /Wiring Devices Business/	Subsidiary	Schneider Electric SE
GET Group Ltd.	Subsidiary	Schneider Electric SE
Gosudarstvennyi Ryazanskiy Priborny Zavod OJSC	Subsidiary	Rostec Corporation
Government of India	Parent	Bharat Heavy Electricals Ltd.
Government of India	Parent	Oil & Natural Gas Corp. Ltd.
Government of India	Parent	Oil India Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Government of Malaysia	Parent	Petroliaam Nasional Berhad
Government of Russia	Parent	Rostec Corporation
Great Wall Gas	Subsidiary	China Petroleum & Chemical Corp.
Groupement d'Intérêt Économique Africain	Subsidiary	Managem SA
Guangzhou Petrochemical Co.	Subsidiary	China Petroleum & Chemical Corp.
Gujarat State Petroleum Corp. Ltd. /KG Basin Block/	Subsidiary	Oil & Natural Gas Corp. Ltd.
Gutor Electronic GmbH	Subsidiary	Schneider Electric SE
Hano A/S	Subsidiary	Schneider Electric SE
Harbin Aviation Industry (Group) Co. Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
Harbin Boiler Co., Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electric (HE) Corp.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electric Corporation (QHD) Heavy Equipment Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electric International Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electric Machinery AC-DC Motor Duty Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electric Machinery Co., Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Electrical Merchinery Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Hafei Automobile Industry Group Co., Ltd.	Subsidiary	AviChina Industry & Technology Co. Ltd.
Harbin Power Engineering Co., Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Power Equipment National Engineering Research Center	Subsidiary	Harbin Electric Co. Ltd.
Harbin Power Plant Equipment Corp. (Qhd) Heavy Equipment Co. L	Subsidiary	Harbin Electric Co. Ltd.
Harbin Steam Turbine Works Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Turbine Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Harbin Xinbeiyuan Power Station Equipment Manufacturing Co.,	Subsidiary	Harbin Electric Co. Ltd.
H'Dev SAS	Subsidiary	Schneider Electric SE
HE Finance Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
HE Harbin Power Plant Valve Co. Ltd.	Subsidiary	Harbin Electric Co. Ltd.
Hebei Electric Power Design & Research Institute	Subsidiary	Power Construction Corporation of China, Ltd.
Hebei Natural Gas Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Higleig Petroleum Services & Investment Co. Ltd.	Subsidiary	The Energy House Holding Company K.S.C. (Closed)
Hindustan Petroleum Corp. Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
Hispano Mecano Electrica SA	Subsidiary	Schneider Electric SE
Hubei First Electric Power Construction Engineering Co.	Subsidiary	Power Construction Corporation of China, Ltd.
Hubei Jiangzuan Tianxiang Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Hyde Park Electronics, Inc.	Subsidiary	Schneider Electric SE
Hydrochina Kunming Engineering Corp.	Subsidiary	Power Construction Corporation of China, Ltd.



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Affiliate Company Name	Relationship	Restricted Company
IGE+XAO SA	Subsidiary	Schneider Electric SE
Ilevo AB	Subsidiary	Schneider Electric SE
Imperial Energy Corp. Plc	Subsidiary	Oil & Natural Gas Corp. Ltd.
Indonesian Oil & Gas Operations	Subsidiary	PetroChina Co., Ltd.
Industrias Electr�nicas Pac�fico SA de CV	Subsidiary	Schneider Electric SE
Industrielle de R�assurance SA	Subsidiary	Schneider Electric SE
INEOS Group Holdings Plc /European Oil Refining Ops/	Subsidiary	PetroChina Co., Ltd.
Infraplus SASU	Subsidiary	Schneider Electric SE
InStep Software LLC	Subsidiary	Schneider Electric SE
Institut Teknologi Petroleum PETRONAS	Subsidiary	Petroliaam Nasional Berhad
Institute of Technology PETRONAS Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Insurance Agent RT-Insurance LLC	Subsidiary	Rostec Corporation
Intelligent Motion Systems, Inc.	Subsidiary	Schneider Electric SE
Inteltech PJSC	Subsidiary	Rostec Corporation
International Financial Investments	Subsidiary	Egypt Kuwait Holding Co. SAE
Invensys Building Systems, Inc.	Subsidiary	Schneider Electric SE
Invensys Ltd.	Subsidiary	Schneider Electric SE
Invensys Systems GmbH	Subsidiary	Schneider Electric SE
Ircon GmbH	Subsidiary	Schneider Electric SE
Iskraemeco dd	Subsidiary	Elsewedy Electric Co.
Iskraemeco Holding Malta Ltd.	Subsidiary	Elsewedy Electric Co.
ITG Solutions, Inc.	Subsidiary	Schneider Electric SE
Jiangnan Petroleum Administration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Jiangsu Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Jilin Chemical Industrial Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Jilin Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Jinling Petrochemical Ltd. Corp. Sinopec Corp.	Subsidiary	China Petroleum & Chemical Corp.
JO EL Electric A/S	Subsidiary	Schneider Electric SE
Kalinovskii Khimicheskii Zavod OAO	Subsidiary	Rostec Corporation
Kantons Gas Station Investment & Management Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Kantons International Investment Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Kerr-McGee Indonesia Ltd	Subsidiary	Petroliaam Nasional Berhad
Kinross Gold Corp. /Morondo & Korokaha North Exp Assets/	Subsidiary	Orca Gold Inc.
KLCC (Holdings) Bhd.	Subsidiary	Petroliaam Nasional Berhad
KLCC Holdings Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Kunlun Energy Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Kuwait Finance House KSC	Parent	The Energy House Holding Company K.S.C. (Closed)
Kuwait Petroleum (Thailand) Ltd.	Subsidiary	Petroliaam Nasional Berhad



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Affiliate Company Name	Relationship	Restricted Company
Kuwait Petroleum Corp. /117 Gas Stations/	Subsidiary	Petroliaam Nasional Berhad
Lamikal SA	Subsidiary	Managem SA
Lanzhou Sida Special Petrochemical Products Co Ltd	Subsidiary	PetroChina Co., Ltd.
Leader Goal International Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Lee Technologies, Inc.	Subsidiary	Schneider Electric SE
Lexel AB	Subsidiary	Schneider Electric SE
Lexel Fabrika SIA	Subsidiary	Schneider Electric SE
Lexel Holding Norge AS	Subsidiary	Schneider Electric SE
Lexel Holdings UK Ltd.	Subsidiary	Schneider Electric SE
Liaohe Jinma Oilfield Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
LimeWare Co., Inc.	Subsidiary	Schneider Electric SE
Lithium-Element OJSC	Subsidiary	Rostec Corporation
Luminous Power Technologies Pvt Ltd.	Subsidiary	Schneider Electric SE
M&C Energy Group Ltd.	Subsidiary	Schneider Electric SE
Mabangu Mining Ltd.	Subsidiary	Resolute Mining Ltd.
Machines Assemblage Automatique	Subsidiary	Schneider Electric SE
Magfusion, Inc.	Subsidiary	Schneider Electric SE
Malaysia LNG Sendirian Berhad	Subsidiary	Petroliaam Nasional Berhad
Malaysia LNG Tiga Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Manacet	Subsidiary	Managem SA
Managem International AG	Subsidiary	Managem SA
Manatrade AG	Subsidiary	Managem SA
Mangalore Refinery & Petrochemicals Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
Manufacturas Electricas SA	Subsidiary	Schneider Electric SE
Marisio SA	Subsidiary	Schneider Electric SE
MaxEAM Inc.	Subsidiary	Schneider Electric SE
May & Steffens Gmbh & Co Kg Elektrotechnische Fabrik	Subsidiary	Schneider Electric SE
Merlin Gerin Ales SAS	Subsidiary	Schneider Electric SE
Merlin Gerin Alpes SAS	Subsidiary	Schneider Electric SE
Merlin Gerin SA	Subsidiary	Schneider Electric SE
Merten GmbH & Co. KG	Subsidiary	Schneider Electric SE
Messner Gebäudetechnik GmbH	Subsidiary	Schneider Electric SE
Meteor Plant JSC	Subsidiary	Rostec Corporation
Metesan Lexel Elektrik Sanayi ve Ticaret AS	Subsidiary	Schneider Electric SE
Mge Finances SAS	Subsidiary	Schneider Electric SE
Mge Italia SpA	Subsidiary	Schneider Electric SE
Mge Ups Systemer AS	Subsidiary	Schneider Electric SE
MGE UPS SYSTEMS ESPANA SA	Subsidiary	Schneider Electric SE
MGE UPS systems Malaysia Sdn. Bhd.	Subsidiary	Schneider Electric SE



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Affiliate Company Name	Relationship	Restricted Company
MGE UPS Systems SA	Subsidiary	Schneider Electric SE
Mge Usv Systeme GmbH	Subsidiary	Schneider Electric SE
MGE-UPS Systems Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Microsol Tecnologia Ltda.	Subsidiary	Schneider Electric SE
Microsol Tecnologia SA	Subsidiary	Schneider Electric SE
Midor For Logistic Services Co. SAE	Subsidiary	Egypt Kuwait Holding Co. SAE
MISC Capital Ltd.	Subsidiary	Petroleum Nasional Berhad
Mita (UK) Ltd.	Subsidiary	Schneider Electric SE
MSD, Inc. (Illinois)	Subsidiary	Schneider Electric SE
MWPowerlab SRL	Subsidiary	Schneider Electric SE
National Ecological Operator JSC	Subsidiary	Rostec Corporation
National Immunobiological Co. JSC	Subsidiary	Rostec Corporation
Natsionalnaya Sluzhba Sanitarnoy Aviatsii AO	Subsidiary	Rostec Corporation
Natsionalnyye Tekhnologii LLC	Subsidiary	Rostec Corporation
Nauchno-Proizvodstvennoe Obedinenie Alfa OAO	Subsidiary	Rostec Corporation
Newlog	Subsidiary	Schneider Electric SE
Ningbo Sinopec Changjiang Fuel Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Nord Energy Co. FZC	Subsidiary	The Energy House Holding Company K.S.C. (Closed)
North Montney LNG LP	Subsidiary	Petroleum Nasional Berhad
Novikombank JSCB	Subsidiary	Rostec Corporation
Novye Tekhnologii Sveta Zao	Subsidiary	Rostec Corporation
NPO High Precision Systems JSC	Subsidiary	Rostec Corporation
NU Lec Pty Ltd	Subsidiary	Schneider Electric SE
Nu-Lec Industries Pty Ltd	Subsidiary	Schneider Electric SE
nxtControl GmbH	Subsidiary	Schneider Electric SE
Oboronprom United Industrial Corp. JSC	Subsidiary	Rostec Corporation
Oil & Natural Gas Corp. Ltd.	Parent	Mangalore Refinery & Petrochemicals Ltd.
Oil & Natural Gas Corp. Ltd. (Venture Capital)	Subsidiary	Oil & Natural Gas Corp. Ltd.
Oil India (USA), Inc.	Subsidiary	Oil India Ltd.
Oil India International Ltd.	Subsidiary	Oil India Ltd.
Oil India International Pte Ltd.	Subsidiary	Oil India Ltd.
Oil India Sweden AB	Subsidiary	Oil India Ltd.
ONGC Nile Ganga (Cyprus) Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC (BTC) Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Amazon Alaknanda Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Energy Centre	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Mangalore Petrochemicals Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Nile Ganga BV	Subsidiary	Oil & Natural Gas Corp. Ltd.



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Affiliate Company Name	Relationship	Restricted Company
ONGC Self Contributory Post Retirement & Death In Service Sup	Subsidiary	Oil & Natural Gas Corp. Ltd.
ONGC Videsh Ltd.	Subsidiary	Oil & Natural Gas Corp. Ltd.
OVA G. BARGELLINI SpA	Subsidiary	Schneider Electric SE
Parkside Laboratories Ltd.	Subsidiary	Schneider Electric SE
Paulsens Gold Pty Ltd.	Subsidiary	Resolute Mining Ltd.
PC Gabon Upstream SA	Subsidiary	Petroliam Nasional Berhad
PC Oman Ventures Ltd.	Subsidiary	Petroliam Nasional Berhad
PDL Holdings Ltd.	Subsidiary	Schneider Electric SE
PDL Industries Ltd.	Subsidiary	Schneider Electric SE
Pelco Finland OY	Subsidiary	Schneider Electric SE
Pelco Ltd.	Subsidiary	Schneider Electric SE
Pelco Sweden AB	Subsidiary	Schneider Electric SE
Petco Trading Labuan Co. Ltd.	Subsidiary	Petroliam Nasional Berhad
Petro China Co., Ltd. Jilin Petrochemical Branch	Subsidiary	PetroChina Co., Ltd.
PetroChina & CRMSC Oil Marketing Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Changqing Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Chongqing Fuling Sales Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. (Jinzhou Petrochemical Unit)	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dagang Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dagang Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dalian Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Daqing Lubricating Oild No1 Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Daqing Lubricating Oild No2 Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Dushanzi Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Fushun Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Guangxi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Harbin Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Hohhot Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Huadong Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Hubei Yichang Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Lanzhou Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Lanzhou Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaohe Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Liaoyang Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Ningxia Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Ningxia Refining Chemical Branch/	Subsidiary	PetroChina Co., Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Petrochina Co. Ltd. /North China Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Tarim Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Urumqi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Xinjiang Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yumen Lubricating Oil Factory/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yumen Oil Field Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Yunnan Refinery/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co. Ltd. /Zhejiang Sales Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. (Lubricating Oil Branch)	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Changqing Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Fushun Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Huabei Petrochemical Branch Co./	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Jinxi Petrochemical Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Co., Ltd. /Shandong Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Shangluo Luonan Sales Branch/	Subsidiary	PetroChina Co., Ltd.
Petrochina Co., Ltd. /Southwest Oil & Gas Field Branch/	Subsidiary	PetroChina Co., Ltd.
PetroChina Coalbed Methane Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Dagang Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Daqing Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Daqing Tamsag LLC	Subsidiary	PetroChina Co., Ltd.
PetroChina Exploration & Production Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Fuel Oil Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Petrochina Hong Kong Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Hong Kong Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Huabei Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina International (Canada) Trading Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Investment (Australia) Pty Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Investment Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Iraq FZE Iraq Branch	Subsidiary	PetroChina Co., Ltd.
PetroChina International Jabung Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina International Middle East Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Jidong Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Jilin Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Jinzhou Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Kelamayi Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Lanzhou Petrochemical Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Liaohe Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Marketing Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Natural Gas & Pipeline Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina North China Marketing Co.	Subsidiary	PetroChina Co., Ltd.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Petrochina Northeast Marketing Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Pipeline Bureau Steel Tube Factory	Subsidiary	PetroChina Co., Ltd.
PetroChina Pipelines Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Qinghai Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Refining & Marketing Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina Sichuan Petrochemical Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Talimu Oilfield Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
PetroChina Tuha Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
PetroChina West-East Natural Gas Transmission Pipelines Co.	Subsidiary	PetroChina Co., Ltd.
Petrochina Xinjiang Oilfield Co.	Subsidiary	PetroChina Co., Ltd.
Petro-Cyberworks Information Technology Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Petroineos Trading Ltd.	Subsidiary	PetroChina Co., Ltd.
Petroleum Long Champ Co Ltd	Subsidiary	PetroChina Co., Ltd.
Petroliaam Nasional Bhd. /3 Blocks/	Subsidiary	Petroliaam Nasional Berhad
Petroliaam Nasional Bhd. /Rapid Petrochemical Project/	Subsidiary	Petroliaam Nasional Berhad
Petroliaam Research Fund	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Assets Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Capital Ltd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Carigali Canada Ltd	Subsidiary	Petroliaam Nasional Berhad
Petronas Carigali Nile Ltd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Carigali Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Corporate Venture Capital	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Energy Trading Ltd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Floating LNG 1 (Labuan) Ltd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Global Sukuk Ltd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Global Technical Solutions Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS ICT Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas International Corp. Ltd.	Subsidiary	Petroliaam Nasional Berhad
Petronas LNG Ltd.	Subsidiary	Petroliaam Nasional Berhad
Petronas LNG Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Lubricants (India) Pvt Ltd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Lubricants Italy SpA	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Management Training Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Penapisan (Terengganu) Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Penapisan Melaka Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Petroleo Brasil Ltda.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Refinery & Petrochemical Corp. Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Petronas Research Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
PETRONAS Suriname E&P BV	Subsidiary	Petroliaam Nasional Berhad



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Affiliate Company Name	Relationship	Restricted Company
Petronas Technical Services Sdn. Bhd.	Subsidiary	Petroleum Nasional Berhad
Petronas Technology Ventures Sdn. Bhd.	Subsidiary	Petroleum Nasional Berhad
PETRONAS Trading Corp. Sdn. Bhd.	Subsidiary	Petroleum Nasional Berhad
Phoenix Energy Holdings Ltd. (Canada)	Subsidiary	PetroChina Co., Ltd.
Pisara AB	Subsidiary	Schneider Electric SE
Polam Holding BV	Subsidiary	Schneider Electric SE
Polam Holding SA W Likwidacji	Subsidiary	Schneider Electric SE
Power China Road Bridge Group Co., Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Power Construction Corp. of China /Heavy Constr Bus 8/	Subsidiary	Power Construction Corporation of China, Ltd.
Power Measurement, Inc.	Subsidiary	Schneider Electric SE
Power Technics Ltd.	Subsidiary	Schneider Electric SE
Powerchina Beijing Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Chengdu Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Construction Group Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Guiyang Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Huadong Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
PowerChina Hydropower Development Group Co., Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Kunming Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Real Estate Group Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Xibei Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Powerchina Zhongnan Engineering Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Promyshlennye Investitsii LLC	Subsidiary	Rostec Corporation
Prosyst SARL	Subsidiary	Schneider Electric SE
PSE Ireland Ltd.	Subsidiary	Petroleum Nasional Berhad
PSKOV Plant Ads JSC	Subsidiary	Rostec Corporation
PT Petronas Niaga Indonesia	Subsidiary	Petroleum Nasional Berhad
PT Schneider Electric Indonesia	Subsidiary	Schneider Electric SE
PT Schneider Electric Manufacturing Batam	Subsidiary	Schneider Electric SE
PT Schneider Indonesia	Subsidiary	Schneider Electric SE
PT Transgasindo	Subsidiary	Petroleum Nasional Berhad
Putrajaya Holdings Sdn. Bhd.	Subsidiary	Petroleum Nasional Berhad
Qingdao Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Qinghai Electric Power Design Institute	Subsidiary	Power Construction Corporation of China, Ltd.
Ram Tech Manufacturing de MÃ©xico S de RL de CV	Subsidiary	Schneider Electric SE
Ramport Aero OAO	Subsidiary	Rostec Corporation
Rectiphase SAS	Subsidiary	Schneider Electric SE
Reminex	Subsidiary	Managem SA
Renewable Choice Energy, Inc.	Subsidiary	Schneider Electric SE
Research Institute of Petroleum Exploration & Development	Subsidiary	PetroChina Co., Ltd.
Resolute (Treasury) Pty Ltd.	Subsidiary	Resolute Mining Ltd.
Resolute Canada 2 Pty Ltd.	Subsidiary	Resolute Mining Ltd.
Resolute Ltd.	Subsidiary	Resolute Mining Ltd.
Resolute Resources Ltd.	Subsidiary	Resolute Mining Ltd.
Resolute Tanzania Ltd.	Subsidiary	Resolute Mining Ltd.
Ritto GmbH & Co. KG	Subsidiary	Schneider Electric SE
Robertshaw Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Rontex International Holdings Ltd.	Subsidiary	Siberian Mining Group Company Limited
Rosoboronexport JSC	Subsidiary	Rostec Corporation
Rostec Corp /2 Subs/	Subsidiary	Rostec Corporation
Royal Wholesale Electric (Utah)	Subsidiary	Schneider Electric SE
RT-Auto JSC	Subsidiary	Rostec Corporation
RT-Biotekhprom OAO	Subsidiary	Rostec Corporation
RT-Business Development LLC	Subsidiary	Rostec Corporation
RT-Construction technologies JSC	Subsidiary	Rostec Corporation
RT-Energy Efficiency LLC	Subsidiary	Rostec Corporation
RT-Guard JSC	Subsidiary	Rostec Corporation
RT-Inform LLC	Subsidiary	Rostec Corporation
RT-Invest LLC	Subsidiary	Rostec Corporation
RT-Kapital LLC	Subsidiary	Rostec Corporation
RT-Khimkompozit AO	Subsidiary	Rostec Corporation
RT-Komplektimpex LLC	Subsidiary	Rostec Corporation
Rt-Kurganmashzavod	Subsidiary	Rostec Corporation
RT-Project Technology JSC	Subsidiary	Rostec Corporation
RT-Registrar JSC	Subsidiary	Rostec Corporation
Rus Imperial Group OOO	Subsidiary	Oil & Natural Gas Corp. Ltd.
Ruselectronics JSC	Subsidiary	Rostec Corporation
S.I. Vavilov State Optical Institute	Subsidiary	Rostec Corporation
SAEI Conversion d'Energie	Subsidiary	Schneider Electric SE
Sagax Maghreb SA	Subsidiary	Managem SA
SAIP&SCHYLLER SpA	Subsidiary	Schneider Electric SE
Sakhalin India, Inc.	Subsidiary	Oil India Ltd.



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Affiliate Company Name	Relationship	Restricted Company
Samhwa Eocr Ltd.	Subsidiary	Schneider Electric SE
Samos Acquisition Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider (Suzhou) Drives Co., Ltd.	Subsidiary	Schneider Electric SE
Schneider Automation SAS	Subsidiary	Schneider Electric SE
Schneider Beijing Low Voltage Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Beijing Medium Voltage Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Brands Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric (Australia) Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric (China) Co., Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric (Hong Kong) Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric (UK) Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Administraci3n SA de CV	Subsidiary	Schneider Electric SE
Schneider Electric AEBE	Subsidiary	Schneider Electric SE
Schneider Electric Algerie SARL	Subsidiary	Schneider Electric SE
Schneider Electric Argentina SA	Subsidiary	Schneider Electric SE
Schneider Electric AS	Subsidiary	Schneider Electric SE
Schneider Electric Australia Holdings Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Austria GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Automation Deutschland GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Automation GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Baltic Distribution Centre SIA	Subsidiary	Schneider Electric SE
Schneider Electric Brasil Ltda.	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Critical Systems Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Critical Systems, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Denmark A/S	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Finland OY	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Norway AS	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Singapore Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Buildings Sweden AB	Subsidiary	Schneider Electric SE
Schneider Electric Buildings UK Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Bulgaria EOOD	Subsidiary	Schneider Electric SE
Schneider Electric Canada, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric CPCS (Thailand) Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric CZ, s.r.o.	Subsidiary	Schneider Electric SE
Schneider Electric Danmark A/S	Subsidiary	Schneider Electric SE
Schneider Electric DC MEA FZCO	Subsidiary	Schneider Electric SE
Schneider Electric de Colombia SA	Subsidiary	Schneider Electric SE
Schneider Electric Deutschland GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Distribution Centre AB	Subsidiary	Schneider Electric SE



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Affiliate Company Name	Relationship	Restricted Company
Schneider Electric doo	Subsidiary	Schneider Electric SE
Schneider Electric East Mediterranean SAL	Subsidiary	Schneider Electric SE
Schneider Electric Eesti AS	Subsidiary	Schneider Electric SE
Schneider Electric Egypt SAe	Subsidiary	Schneider Electric SE
Schneider Electric Energy Austria AG	Subsidiary	Schneider Electric SE
Schneider Electric Energy Belgium SA	Subsidiary	Schneider Electric SE
Schneider Electric Energy GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Energy Netherlands BV	Subsidiary	Schneider Electric SE
Schneider Electric Energy Poland Sp zoo	Subsidiary	Schneider Electric SE
Schneider Electric Espa�a SA	Subsidiary	Schneider Electric SE
Schneider Electric ESS BVBA	Subsidiary	Schneider Electric SE
Schneider Electric Export Services Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Finland OY	Subsidiary	Schneider Electric SE
Schneider Electric Fire & Security Oy	Subsidiary	Schneider Electric SE
Schneider Electric Fonciere	Subsidiary	Schneider Electric SE
Schneider Electric FZE	Subsidiary	Schneider Electric SE
Schneider Electric GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Holding Europe	Subsidiary	Schneider Electric SE
Schneider Electric Holdings, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Huadian Switchgear (Xiamen) Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Hung�ria Villamoss�gi Zrt	Subsidiary	Schneider Electric SE
Schneider Electric Industrie Italia SpA	Subsidiary	Schneider Electric SE
Schneider Electric Industries M Sdn. Bhd.	Subsidiary	Schneider Electric SE
Schneider Electric Industries Polska Sp zoo	Subsidiary	Schneider Electric SE
Schneider Electric Industries Sa	Subsidiary	Schneider Electric SE
Schneider Electric Industries SAS	Subsidiary	Schneider Electric SE
Schneider Electric International	Subsidiary	Schneider Electric SE
Schneider Electric Israel Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT (China) Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Business India Pvt Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Corp.	Subsidiary	Schneider Electric SE
Schneider Electric IT Denmark ApS	Subsidiary	Schneider Electric SE
Schneider Electric IT France SAS	Subsidiary	Schneider Electric SE
Schneider Electric IT Greece ABEE	Subsidiary	Schneider Electric SE
Schneider Electric IT Hong Kong Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Logistics Asia Pacific Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Logistics Europe Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT Malaysia Sdn. Bhd.	Subsidiary	Schneider Electric SE



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Affiliate Company Name	Relationship	Restricted Company
Schneider Electric IT Philippines, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric IT Singapore Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric IT UK Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Japan Holdings Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Japan, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Korea Co., Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Latvija SIA	Subsidiary	Schneider Electric SE
Schneider Electric Logistic Centre BV	Subsidiary	Schneider Electric SE
Schneider Electric Logistics Asia Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric M�xico SA de CV	Subsidiary	Schneider Electric SE
Schneider Electric Magyarors�g Villamos Kapcsol�berendez�sek	Subsidiary	Schneider Electric SE
Schneider Electric Major Investments SARL	Subsidiary	Schneider Electric SE
Schneider Electric Manufacturing Celbridge	Subsidiary	Schneider Electric SE
Schneider Electric Manufacturing The Netherlands BV	Subsidiary	Schneider Electric SE
Schneider Electric Mobility NA, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Motion Deutschland GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Motion Deutschland GmbH & Co. KG	Subsidiary	Schneider Electric SE
Schneider Electric Motion Services GmbH	Subsidiary	Schneider Electric SE
Schneider Electric New Zealand Holdings Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Nigeria Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Norge AS	Subsidiary	Schneider Electric SE
Schneider Electric North America	Subsidiary	Schneider Electric SE
Schneider Electric NZ Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Operations Consulting GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Overseas Asia Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Pakistan (Pvt) Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Peru SA	Subsidiary	Schneider Electric SE
Schneider Electric Philippines, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Polska Sp zoo	Subsidiary	Schneider Electric SE
Schneider Electric Portugal Aparelhagem Electrica Ltda	Subsidiary	Schneider Electric SE
Schneider Electric Portugal Lda.	Subsidiary	Schneider Electric SE
Schneider Electric Power Drives GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Real Estate GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Romania SRL	Subsidiary	Schneider Electric SE
Schneider Electric SA /Custom Sensors & Technologies Unit/	Subsidiary	Schneider Electric SE
Schneider Electric SA Employee Stock Ownership Plan	Subsidiary	Schneider Electric SE
Schneider Electric Sachsenwerk GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Schweiz AG	Subsidiary	Schneider Electric SE



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Affiliate Company Name	Relationship	Restricted Company
Schneider Electric Services International	Subsidiary	Schneider Electric SE
Schneider Electric Services LLC	Subsidiary	Schneider Electric SE
Schneider Electric Services WLL	Subsidiary	Schneider Electric SE
Schneider Electric Singapore Pte Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric Slovakia spol sro	Subsidiary	Schneider Electric SE
Schneider Electric Solar Australia Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric South Africa Pty Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric SpA	Subsidiary	Schneider Electric SE
Schneider Electric Srbija	Subsidiary	Schneider Electric SE
Schneider Electric Sverige AB	Subsidiary	Schneider Electric SE
Schneider Electric Systems Austria GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Systems Germany GmbH	Subsidiary	Schneider Electric SE
Schneider Electric Systems Mexico SA de CV	Subsidiary	Schneider Electric SE
Schneider Electric Systems Middle East FZE	Subsidiary	Schneider Electric SE
Schneider Electric Systems Poland Sp zoo	Subsidiary	Schneider Electric SE
Schneider Electric Taiwan Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Electric The Netherlands BV	Subsidiary	Schneider Electric SE
Schneider Electric Trgovska doo	Subsidiary	Schneider Electric SE
Schneider Electric USA, Inc.	Subsidiary	Schneider Electric SE
Schneider Electric Vietnam Ltd.	Subsidiary	Schneider Electric SE
Schneider Elektrik Sanayi ve Ticaret AS	Subsidiary	Schneider Electric SE
Schneider Enerji Endüstrisi Sanayi ve Ticaret AS	Subsidiary	Schneider Electric SE
Schneider Fuji Breakers Dalian Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Industrial Tlaxcala SA de CV	Subsidiary	Schneider Electric SE
Schneider Italia SpA	Subsidiary	Schneider Electric SE
Schneider Logistics Europe BV	Subsidiary	Schneider Electric SE
Schneider Máxico SA de CV	Subsidiary	Schneider Electric SE
Schneider Nordic Baltic A/S	Subsidiary	Schneider Electric SE
Schneider R&D SA de CV	Subsidiary	Schneider Electric SE
Schneider Recursos Humanos SA de CV	Subsidiary	Schneider Electric SE
Schneider SA	Subsidiary	Schneider Electric SE
Schneider Shanghai Apparatus Parts Manufacturing Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Shanghai Power Distribution Electrical Apparatus Co.	Subsidiary	Schneider Electric SE
Schneider Suzhou Transformers Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider Swire Ltd	Subsidiary	Schneider Electric SE
Schneider Toshiba Inverter SAS	Subsidiary	Schneider Electric SE
Schneider Wingoal Tianjin Electric Equipment Co. Ltd.	Subsidiary	Schneider Electric SE
Schneider-Electric Energy Magyarországi Villamos	Subsidiary	Schneider Electric SE



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Science & Technology Development Co. Ltd. /Catalysts Business/	Subsidiary	China Petroleum & Chemical Corp.
SCL Elements, Inc.	Subsidiary	Schneider Electric SE
Sets Power Switchgear	Subsidiary	Schneider Electric SE
SGBT Finance Partners SA	Subsidiary	Schneider Electric SE
Shandong Lurun Hongtai Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shandong Lurun Jingjiu Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shandong Shengyue Petrochemical Engineering Construction Co	Subsidiary	China Petroleum & Chemical Corp.
Shanghai Electric Power Construction Co., Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Shanghai Jin Hua Industrial Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shanghai Longwan Industrial Co. Ltd. /Four Oil Stations/	Subsidiary	PetroChina Co., Ltd.
Shanghai Schneider Electric Power Automation Co. Ltd.	Subsidiary	Schneider Electric SE
Shanghai Schneider Industrial Control Co. Ltd.	Subsidiary	Schneider Electric SE
Shark Minerals, Inc.	Subsidiary	Orca Gold Inc.
Shengli Oil Field Dongsheng Precision Petroleum Dev Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shengli Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
Shengli Petroleum Management Bureau Eng Cnstr No. 1 Co.	Subsidiary	China Petroleum & Chemical Corp.
Shenzhen Shenchang Industry Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shijiazhuang Chemical Fiber Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Shneyder Elektrik Ukraina	Subsidiary	Schneider Electric SE
Shvabe - Oborona I Zashchita AO	Subsidiary	Rostec Corporation
Shvabe Holding	Subsidiary	Rostec Corporation
Shvabe JSC	Subsidiary	Rostec Corporation
Siber JSC	Subsidiary	Rostec Corporation
Sichuan Shengda Chemical New Material Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Siebe Metallwerke GmbH	Subsidiary	Schneider Electric SE
SIG Positec Automation GmbH	Subsidiary	Schneider Electric SE
Sime Darby Engineering Bhd. /Teluk Ramunia Fabrication Ops/	Subsidiary	Petroliam Nasional Berhad
Singapore Petroleum Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
SinoCanada Petroleum Corp.	Subsidiary	China Petroleum & Chemical Corp.
Sinohydro Bureau No. 4 Co. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Sinohydro Corp. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
Sinohydro Corp. Ltd. (Singapore)	Subsidiary	Power Construction Corporation of China, Ltd.
Sinohydro Shanghai Industry Co. Ltd.	Subsidiary	Power Construction Corporation of China, Ltd.
SINOPEC Xi'an Co.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Sinopec & Shell (Jiangsu) Petroleum Marketing Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Activator Qilu Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Anqing Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Anqing Refinery Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Argentina SA	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Asphalt Sales Branch Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Baling Yingshan Petrochemical Plant	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beihai Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beihai Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Jingtian Engineering & Construction Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beijing Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Research Institute of Chemical Industry	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Beijing Yanhua Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Beijing Yanshan Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Cangzhou Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital (2013) Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Capital Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Catalyst Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Changling Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding (Hong Kong) Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding (Singapore) Pte Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Commercial Holding Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Chemical Commercial Holding North America, Inc.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Industry Co., Ltd. Hubei Fertilizer Filiale	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Products Sales Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chemical Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Chongqing Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Corp Hongkong International Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec East China Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Exploration & Production Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Exploration Southern Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Fuel Oil (Singapore) Pte Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fuel Oil Sales Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fujian Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Fujian Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
SINOPEC Fushun Research Institute of Petroleum & Petrochemic	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Gansu Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Gas Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Geophysical Research Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Energy & Chemical (Ningxia) Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Energy & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Great Wall Gas Investment Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Group Anhui Petroleum General Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Group Nanjing Chemical Industries Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Guangdong Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Guangxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Guizhou Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hainan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hainan Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Hebei Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Heilongjiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Henan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Henan Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hubei Chemical Fertilizer Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hubei Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Hubei Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Hunan Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Inner Mongolian Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Petroleum Exploration & Production Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec International Petroleum Services Kenya Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangnan Petroleum Instrumentation Plant	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangsu Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jiangsu Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiangxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jilin Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jinan Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jingmen Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jinling Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Jiujiang Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Jiujiang Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Kantons Holdings Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec KTS Development Ltd.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Sinopec Lanzhou Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Liaoning Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Luoyang Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Luoyang Petrochemical General Factory	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Maoming Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Maoming Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Marketing Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Ningxia Oil Products Co.,	Subsidiary	China Petroleum & Chemical Corp.
Sinopec North China E&P Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Northeast Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Northeast Oil & Gas Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Northwest Oil Field Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Oil & Gas Australia (Puffin) Pty Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Overseas Investment Holding Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petrochemical Co. Ltd Qilu Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petroleum Engineering & Construction Corp.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Petroleum Engineering Technology Service Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Pipeline Storage & Transportation Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qilu Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qingdao Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qingdao Refining & Chemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Qingdao Refining Corp. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Qingdao Safety Engineering Institute	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Qinghai Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Refinery Sales (Fujian) Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Research Institute of Petroleum Engineering	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Research Institute of Petroleum Processing	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sales Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Senmei (Fujian) Petroleum Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shaanxi oil products Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shandong Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Asphalt Sales Branch Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Gaoqiao Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Gaoqiao Petroleum & Chemical Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Offshore Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shanghai Research Institute of Petrochemical Technolog	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanghai SECCO Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.



INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Sinopec Shanxi Datong Petrol	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shanxi Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shashi Steel Pipe Factory	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shengli Oilfield Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Shengli Oilfield Construction Engineering Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Shijiazhuang Refining & Chemical Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sichuan Petroleum Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Sichuan Vinylon Works	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tahe Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tech Houston LLC	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Tianjin Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tianjin Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Tianjin Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Wuhan Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Wuhan Phoenix Co. Ltd. /Petrochemicals Ops/	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Xinjiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Yangzi Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhanjiang Dongxing Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SINOPEC Zhejiang Oil Products Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhenhai Refining & Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhongyuan Oilfield Co.	Subsidiary	China Petroleum & Chemical Corp.
Sinopec Zhongyuan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.
Sinopec-SK(Wuhan) Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
SJ Petroleum Machinery Co.	Subsidiary	China Petroleum & Chemical Corp.
Soci��t�� Anonyme d'Entreprises Mini��res	Subsidiary	Managem SA
Soci��t�� Dauphinoise Electrique	Subsidiary	Schneider Electric SE
Soci��t�� des Mines de Syama SA	Subsidiary	Resolute Mining Ltd.
Soci��t�� Electrique d'Aubenas	Subsidiary	Schneider Electric SE
Soci��t�� M��tallurgique d'Imiter SA	Subsidiary	Managem SA
Societe des Mines de Morila SA	Subsidiary	Resolute Mining Ltd.
Societe Mini��re de Bou Gaffer	Subsidiary	Managem SA
Sorhodel Bardin SAS	Subsidiary	Schneider Electric SE
South Oil Exploration & Development Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
South West Oil & Gas Co.	Subsidiary	China Petroleum & Chemical Corp.
Square D Co.	Subsidiary	Schneider Electric SE
Stago BV	Subsidiary	Schneider Electric SE
Steck Da Amaz��nia Ind��stria El��trica Ltda.	Subsidiary	Schneider Electric SE
Steeplechase Software, Inc.	Subsidiary	Schneider Electric SE
Sti Power Drives GmbH	Subsidiary	Schneider Electric SE



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Strömberg Electric Oy	Subsidiary	Schneider Electric SE
Sukimi (M) Sdn. Bhd.	Subsidiary	Petroleum Nasional Berhad
Summit Energy Services, Inc.	Subsidiary	Schneider Electric SE
Syria Miser	Subsidiary	Egypt Kuwait Holding Co. SAE
TAC (IBS) Australia Pty Ltd.	Subsidiary	Schneider Electric SE
TAC AB	Subsidiary	Schneider Electric SE
TAC Controls Asia Pte Ltd.	Subsidiary	Schneider Electric SE
Tac GmbH	Subsidiary	Schneider Electric SE
Tac SP zoo	Subsidiary	Schneider Electric SE
Taian Lurun Cement Production Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Taiping Longsheng Fine Chemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Tanzania Electric Supply Co. Ltd	Subsidiary	Resolute Mining Ltd.
Technodinamika JSC	Subsidiary	Rostec Corporation
Technopromexport VO OJSC	Subsidiary	Rostec Corporation
Techsub	Subsidiary	Managem SA
Telemecanique Ltd.	Subsidiary	Schneider Electric SE
Telemecanique SA	Subsidiary	Schneider Electric SE
Telvent GIT SA	Subsidiary	Schneider Electric SE
Telvent Sweden AB	Subsidiary	Schneider Electric SE
The Optimal Group of Cos.	Subsidiary	Petroleum Nasional Berhad
The PetroChina International Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Think & Do Software, Inc.	Subsidiary	Schneider Electric SE
Thorsman Ireland Ltd.	Subsidiary	Schneider Electric SE
Thorsman Sales Ireland Ltd.	Subsidiary	Schneider Electric SE
Tianjin Wangao Electric Unit Technology Co Ltd	Subsidiary	Schneider Electric SE
Toshiba Schneider Inverter Corp.	Subsidiary	Schneider Electric SE
Tour Andover Controls Ltd.	Subsidiary	Schneider Electric SE
Tour Andover Controls, Inc.	Subsidiary	Schneider Electric SE
Trans-Asia Gas Pipeline Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
Transfo Services	Subsidiary	Schneider Electric SE
Transfo Services SAS	Subsidiary	Schneider Electric SE
Trianon, Inc.	Subsidiary	Schneider Electric SE
Ufimskoe Nauchno-Proizvodstvennoe Predpriyatie Molniya OAO	Subsidiary	Rostec Corporation
Ulyanovski Giproaviaprom OAO	Subsidiary	Rostec Corporation
Uniflair SpA	Subsidiary	Schneider Electric SE
United Industries Co. (Egypt)	Subsidiary	Elsewedy Electric Co.
United Metals Co.	Subsidiary	Elsewedy Electric Co.
United Petrochemical Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
United Wires Co.	Subsidiary	Elsewedy Electric Co.



Dale R. Folwell, CPA

INVESTMENT MANAGEMENT

Affiliate Company Name	Relationship	Restricted Company
Ups Systems Mge BV	Subsidiary	Schneider Electric SE
Uralvagonzavod Research & Production Corp. OAO	Subsidiary	Rostec Corporation
VA TECH ELIN EBG GmbH	Subsidiary	Schneider Electric SE
Varilec	Subsidiary	Schneider Electric SE
Veris Industries, Inc.	Subsidiary	Schneider Electric SE
VESTIGO Petroleum Sdn. Bhd.	Subsidiary	Petroliaam Nasional Berhad
Viconics Electronics, Inc.	Subsidiary	Schneider Electric SE
Viridity Energy, Inc. /Data Centre/	Subsidiary	Schneider Electric SE
Viridity Software, Inc.	Subsidiary	Schneider Electric SE
VIZELIA SA	Subsidiary	Schneider Electric SE
VNII Signal JSC	Subsidiary	Rostec Corporation
VNIIinstrument OJSC	Subsidiary	Rostec Corporation
Vologodskiy Optiko-Mekhanicheskiy Zavod OAO	Subsidiary	Rostec Corporation
Weihai Weiyang Petroleum Co. Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Wessen OOO	Subsidiary	Schneider Electric SE
West Pacific Petrochemical Co., Ltd.	Subsidiary	PetroChina Co., Ltd.
WorldAce Investments Ltd.	Subsidiary	Oil India Ltd.
Wuxi Pro-Face Electronics Co. Ltd.	Subsidiary	Schneider Electric SE
Xantrex Technology SL	Subsidiary	Schneider Electric SE
Xinjiang Dushanzi Petrochemical Co. Ltd.	Subsidiary	PetroChina Co., Ltd.
Yihua Group Co.	Subsidiary	China Petroleum & Chemical Corp.
Yorkshire Switchgear Group Ltd.	Subsidiary	Schneider Electric SE
Zhongyuan Oilfield Puguang Co.	Subsidiary	China Petroleum & Chemical Corp.
Zhongyuan Petrochemical Co., Ltd.	Subsidiary	China Petroleum & Chemical Corp.
Zhongyuan Petroleum Exploration Bureau	Subsidiary	China Petroleum & Chemical Corp.