

CLIENT/PROJECT	<u>Country</u>	SCOPE OF SERVICES	Contract Award
Verdant Minerals New phosphoric acid plant - DH process (1600 TPD P ₂ O ₅₎	Australia	Definitive feasibility study	2021
Industries Chimiques du Sénégal Third P ₂ O ₅ concentration unit (500 TPD P ₂ O ₅)	Senegal	Basic and detail engineering, procurement services, site supervision and commissioning	2021
Eurochem Audit of Sulphuric acid, Phosphoric acid and Fertilizer complex (MAP)	Confidential	Technical audit	2021
Prayon New plant for Sodium Hexametaphosphate (SHMP) Production	Belgium	FEL3 Study – Basic Engineering	2021
Bagfas Existing NPK granulation plant	Turkey	Technical audit	2021
Paradeep – PPL Ammonium sulfate production from phosphogypsum	India	Feasibility study	2020
OCP – Safi Phosphoric acid concentration revamping	Morocco	Basic and Detail Engineering	2019
Prayon – OCP Safi OCP-P Process	Morocco	Audit and pre-feasibility study	2019
Prayon – Arianne Phosphate Phosphoric acid plant	Canada	Audit and pre-feasibility study	2019
Yara - Salitre Phosphoric acid plant	Brazil	Review of process design package	2018
Prayon - OCP Purified phosphoric acid plant	Morocco	Conceptual study with CAPEX estimate	2018



Prayon – Manaseer	Jordan	Engineering services	2018
New phosphoric acid plant			
Acron - Dorogobuzh	Russia	FEED	2017
Fertilizer complex including a sulfuric acid plant, a phosphoric acid plant and NPK granulation			
Prayon - OCP – Jorf Lasfar	Morocco	Technical audit	2017
Phosphoric acid desulfatation unit			
Ma'aden MPC	Saudi	Detail engineering	2016
Phosphoric acid plant filters revamping	Arabia		
Prayon - OCP - Laayoune	Morocco	Conceptual study	2016
Phosphoric acid plant			
Prayon - OCP – Safi – Phosphate Hub	Morocco	CAPEX / OPEX Estimate	2016
Phosphoric acid plant – CPP / OCP-P process			
ZimPhos	Zimbabwe	Audit	2016
Phosphoric acid plant			
Prayon	China	Technical audit	2015
CPP test for Wengfu Co. Ltd			
Sojitz Corporation	Turkmenistan	Pilot test	2015
Phosphoric acid and ammonium phosphate production plants for			
Turkmenhimiya			
Pilot test of Karatau phosphate		2	
Confidential	Brazil	Scoping study	2015
New phosphoric acid plant			
Groupe Chimique Tunisien - GCT	Tunisia	Technical assistance	2015
Groupe Chimique Tunisien - GCT Review of flue gas emissions and proposal of solutions	Tunisia	Technical assistance	2015
Review of flue gas emissions and	Tunisia Saudi Arabia	Technical assistance Feasibility study	2015 2015



Elandsfontein Phosphoric acid production - New Greenfield PAP – Pilot test with beneficiation	South Africa	Feasibility study	2015
Sunkar DAP production complex including phosacid and sulfuric acid production	Kazakhstan	Update 2010 Detailed feasibility study	2015
ICL - Rotem Modification of a DH PAP plant to DA-HF process	Israel	Audit	2014
Foskor 4 th phosphoric acid concentrator	South Africa	Detailed engineering	2014
Hanwha Engineering & Construction PA defluorination plant for Ma'aden	Saudi Arabia	FEED	2014
Cengiz Holding Balance of plant	Turkey	Basic & detailed design, engineering services	2014
Cengiz Holding Greenfield phosphoric acid plant	Turkey	Basic & detailed design, engineering services	2014
Foskor Location of new attack tank	South Africa	Technical audit	2014
Hanwha Engineering & Construction Phosphoric acid plant for Ma'aden	Saudi Arabia	Engineering services	2014
ICL Fertilizers Europe NPK plant capacity increase	Netherlands	Feasibility study	2013
OCP Dedusting cyclones (TSP/DAP)	Morocco	Engineering, procurement, construction management	2013
Indo Maroc Phosphore (IMACID) Revamping to feed phosphate pulp to reaction	Могоссо	Engineering, procurement, construction management	2013
LLNP – Namibia Phosphates Marine phosphate project	Namibia	Engineering, procurement, construction management	2013



Ministère des Mines et de l'Energie Carbonate phosphate	Togo	Technical assistance	2013
Adventz Group/Zuari (Globex) AS, DAP, MAP	U.A.E.	Pre-feasibility study	2013
Ammophos Phosphoric acid plant	Russia	Audit	2012
Foskor Phosphoric acid Asset replacement program	South Africa	Basic & detailed design, engineering services	2012
OCP – Jorf Lasfar Air treatment of phosphoric acid plant Wet scrubbing package for reaction, digestion and filtration gases	Morocco	Engineering, procurement, and construction	2012
Vinachem – Lao Cai Phosphoric acid plant (DAP 2)	Vietnam	Basic engineering, proprietary equipment and technical assistance services	2012
Bunge Maroc Phosphore Revamping to feed phosphate pulp to reaction	Morocco	Basic engineering	2012
Foskor Phosphoric acid plant	South Africa	Technical audit	2011
Metachim Phosphoric acid	Russia	Technical audit	2011
LLNP – Lev Leviev Namibia Phosphates Marine phosphate project	Namibia	Engineering support services	2011
Foskor MAP-DAP revamping/increasing capacity	South Africa	Technical audit & feasibility study	2011
OCP – Maroc - Phosphore Modernisation and adaptation to phosphate slurry feeding of MP3 & MP4 (5400 MTPD P ₂ O ₅)	Morocco	Engineering, procurement, construction management	2010



IJC - Indo Jordan Company Assistance to the operation capacity increase (900 MTPD)	Jordan	Assistance to the operation and feasibility of larger revamping works	2010
Sunkar DAP production complex including phosacid and sulfuric acid production	Kazakhstan	Detailed feasibility study	2010
PVFCCo - Petrovietnam Fertilizer and Chemical Corporation New P ₂ O ₅ production plant (1500 MTPD)	Vietnam	Detailed feasibility study	2010
PVFCCo - Petrovietnam Fertilizer and Chemical Corporation New DAP plant (3000 MTPD)	Vietnam	Detailed feasibility study	2010
JIFCO New P ₂ O ₅ production plant (1500 MTPD)	Jordan	Engineering, procurement, construction management	2010
Eurochem (Belorechensk) Phosphoric acid plant capacity increase	Russia	Technical audit	2009
CAPGEMINI Consulting Energetic needs of OCP till 2020	Morocco	Technical audit	2009
Foskor New P ₂ O ₅ concentration plant	South Africa	Basic and detailed engineering	2009
JPMC Revamping of phosphoric acid plant	Jordan	Technical audit	2009
Fosfertil - Salitre Phosphoric acid plants (2 x 900 MTPD P ₂ O ₅)	Brazil	Basic engineering, detailed engineering supervision, supply of proprietary items	2009
Ammophos Revamping of Phosphoric acid plant	Russia	Supply of proprietary items	2008
Gomel Phosphoric acid plant capacity increase	Belarus	Technical audit	2008



JPMC DAP plant capacity increase	Jordan	Engineering, procurement, construction management	2008
ЈРМС	Jordan	Conceptual study	2008
Uranium recovery			
Fosfertil - Uberaba	Brazil	Basic and detailed	2008
Phosphoric acid plant (900 MTPD P ₂ O ₅)		engineering, supply of proprietary items	
JPMC	Jordan	Feasibility study	2007
DAP plant capacity increase			
Tata	India	Basic engineering	2007
Phosphoric acid plant revamping into Central Prayon process			
Foskor	South	Basic and detailed	2007
Phosphoric acid plant revamping	Africa	engineering	
New pre-condenser installation			
Coromandel	India	Basic engineering	2007
Phosphoric acid plant capacity increase			
Sasol Nitro	South	Conceptual study	2007
Production of NPK	Africa		
Phosagro / Ammophos	Russia	Technical audit	2006
Production of NPK			
Bagfas	Turkey	Technical audit	2006
Modernisation of existing NPK plant			
IEFC	Egypt	Feasibility study	2006
New 1500 MTPD phosphoric acid and 4500 MTPD sulfuric acid plant			
Agropolychim	Bulgaria	Supply of equipment	2006
Supply of a new phosphoric acid concentration and filtration unit (400 MTPD)			



CE-LIA – Haiphong New phosphoric acid plant of 540 t/d. New concentration unit. DAP project	Vietnam	License, basic engineering, supervision of detail engineering and plant start- up, supply of proprietary equipment	2005
IMACID Capacity increase of the phosphoric acid production from 1200 MTPD to 1400 MTPD	Morocco	License, basic and detail engineering	2005
OCP - Maroc Phosphore New phosphoric acid production of 1200 MTPD	Morocco	License, basic and detail engineering	2005
OCP Bunge New fertilizer production unit	Morocco	Feasibility study	2005
Ma'aden - Al Jalamid New fertilizer complex including a 4500 MTPD phosphoric acid plant	Saudi Arabia	Feasibility study	2005
Foskor – Richards Bay 1100 and 1300 MTPD phosphoric acid units	South Africa	Technical audit and analysis	2004
Hindalco Transformation of a 600 t/d dihydrate phosphoric acid unit into a Central Prayon Process plant.	India	Technical audit and conceptual study	2004
Arya - Mahshahr New Phosphoric Acid unit and New concentration unit (400 MTPD P ₂ O ₅)	Iran	License, basic engineering, supervision of detail engineering, plant start-up and testing. Supply of imported equipment, spare parts and instrumentation.	2004
PFI Extension of a phosphoric acid plant (350 MTPD P ₂ O ₅)	Greece	License, basic and detailed engineering	2004
Ma'aden/Saudi Oger Grass roots complex including: phosphate mine, beneficiation unit, sulfuric acid unit,	Saudi Arabia	Feasibility and conceptual study for the phosphoric acid unit for a SNC-Lavalin/Jacobs	2004



phosphoric acid unit and DAP unit		Consortium	
Bagfas Extension of a phosphoric acid plant (400 MTPD P ₂ O ₅)	Turkey	Site visit, technical audit, reporting, conceptual and budget study	2003
Profile / Groupe Chimique Tunisien Revamping of a phosphoric acid plant in Gabes	Tunisia	Technical assistance for starting up a Profile tilting pan filter	2003
IMACID Expansion of the 1050 MTPD P ₂ O ₅ Prayon phosphoric acid plant	Morocco	Technical audit and feasibility study	2003
BR Ifco New sulfuric and phosphoric acid units using Togo phosphate rock	Togo	Feasibility and conceptual study	2003