

Appendix 2 – List of Projects for EPC Contractor



SEDIN Engineering Company Limited

International Projects Reference List

NO.	CLIENT	PRODUCTS & CAPACITY	TECHNOLOGY	SCOPE OF SERVICE	PLANT LOCATION
1	LAFCHEMCO Fertilizer Plant, Vietnam National Chemical Corporation	100,000 t/a ammonium sulfate project, Liquid ammonia depot	SEDIN Proprietary Technology	E	Hai Phong, Vietnam
2	JFE Steel Company, Japan	Coke oven gas desulfurization: 128,000m ³ /h	SEDIN Proprietary Technology	E	Tokyo, Japan
3	Fatima Fertilizer Co., Ltd, Pakistan	Second-hand nitric acid unit: 450,000 t/a		Dismantle supervision, technical service	Multan, Pakistan
4	S.C. EURO URETHANE SRL, Romania	TDI: 20,000 t/a	SEDIN Proprietary Technology	E	Ramnicu Valcea, Romania
5	JSW Steel Works, India	Phase I: total dry coke: 1,500,000t/a	SEDIN Proprietary	E	Torangallu, India

			Technology		
		Phase II: total dry coke: 1,900,000t/a	SEDIN Proprietary Technology	E	Torangallu, India
6	JSPL Steel Works, India	Phase I: total dry coke: 1,900,000t/a	SEDIN Proprietary Technology	E	Angul, Orissa, India
		Phase II: total dry coke: 1,900,000t/a	SEDIN Proprietary Technology	E	Patratu, Jharkhand, India
7	JSW ISPAT Steel Works, India	Total dry coke: 1,000,000t/a	SEDIN Proprietary Technology	E	Geetapuram, Taluka Pen, Dist. Raigad, Maharashtra, India
8	Thai Nguyen Iron and Steel Company, Vietnam	Top charging coke oven, Total dry coke: 300,000 t/a	SEDIN Proprietary Technology	E	Thai Nguyen, Vietnam
9	VINACOMIN Mining Chemical Industry Co., Ltd	Ammonium Nitrate: 200,000t/a	SEDIN Proprietary Technology	E	QUANG NINH, Vietnam
10	Vietnam National Chemical Corporation	Ammonia: 320,000t/a Urea: 560,000t/a	SHELL	PMC	NINH BINH, Vietnam
11	Ministry of Petroleum, National Petrochemical Company, Isfahan	Cumene: 138,000t/a	SEDIN Proprietary	EP	Isfahan, Iran

	Petrochemical Co.		Technology		
12	Arsh Holding Group, Iran	total dry coke: 400,000t/a	SEDIN Proprietary Technology	EPS	Yazd, Iran
13	PT. Bumi Persada Lestari Company, Indonesia	1200t/day ammonia, co-producing methanol	SEDIN Proprietary Technology	E	Aceh province, Indonesia
14	PT Bukit Asam, Indonesia	300,000t/a Ammonia, 80,000t/a Methanol	SEDIN Proprietary Technology	FS	Tanjung, Indonesia
15	Energy Resources LLC, Mongolia (ER)	Total dry coke: 1,000,000t/a	SEDIN Proprietary Technology	FS	Mongolia
16	PT KRAKATAU STEEL COMPANY, INDONESIA	Total dry coke: 555,000t/a	SEDIN Proprietary Technology	EP+S	Cilegon, Indonesia
17	MONCOAL PETRO MINING COMPANY, MONGOLIA	Coal-to-Gasoline: 200,000 t/a	SEDIN Proprietary Technology	FS	ULAANBAATAR, MONGOLIA
18	JSC Shchekinoazot Co., Ltd.	Nitric Acid 270,000 t/a, Ammonia Nitrate 340,000 t/a	SEDIN Proprietary Technology	EP	Russia

Note : E-Engineering design P-Procurement S-Supervision service PMC-Project management contracting

International Cooperations Reference List

NO.	CLIENT	PRODUCTS & CAPACITY	TECHNOLOGY	SCOPE OF SERVICE	PLANT LOCATION
1	Shanxi Jincheng Anthracite Mining Group Co. Ltd.	Coal-to-Gasoline: 100,000t/a	Mobil America	EPC	Jincheng, Shanxi
2	Project of Methanol to High cleaning fuel, Shanxi Jinmei Huayu Co. Ltd.	MTG: 2x500,000t/a	Mobil America	E	Jincheng, Shanxi
3	Jiutai Energy (Zhungeer) Co., Ltd.	MTO: 600,000t/a	UOP America	E	Zhungeer Inner Mongolia
4	Shenhua Ningxia Coal Industry Group	MTP: 500,000/a	Air Liquid France	EP	Yinchuan, Ningxia
5	Shenhua Ningxia Coal Industry Group	DME: 210,000t/a	Toyo Engineering Japan	E	Yinchuan, Ningxia
6	Xinjiang Guanghui New Energy Co., Ltd.	DME: 2x400,000t/a	Haldor Topsoe Denmark	E	Hami, Xinjiang
7	Guodian Inner Mongolia Energy Co., Ltd.	Ammonia: 300,000t/a Urea: 520,000t/a	CASALE Swiss	E	Chifeng, Inner Mongolia

8	Vietnam National Chemical Corporation	Ammonia: 320,000t/a Urea: 560,000t/a	SHELL Dutch	PMC	NINH BINH, Vietnam
9	Akesu Huajin Chemical Fertilizer Co., Ltd.	Ammonia: 300,000t/a Urea: 520,000t/a	Stamicarbon Dutch	E	Kuche, Xinjiang
10	Guizhou Chishui Natural Gas Chemical Fertilizer Plant	Urea: 480,000t/a Ammonia: 300,001t/a	Kellogg & Stamicarbon America& Dutch	E	Chishui, Guizhou
11	Guizhou Chishui Natural Gas Chemical Fertilizer Plant	Ammonia Capacity Extension to 366,000t/a Urea Capacity Extension to 630,000t/a	Hyundai & Snam Korea & Italy	E	Chishui, Guizhou
12	Tianji Coal Chemical Group Co., Ltd.	Ammonia: 300,000t/a	Lurgi Germany	E	Lucheng, Shanxi
13	Ningbo Wanhua Polyurethanes Co., Ltd.	Nitric acid: 270,000t/a Aniline: 360,000t/a Nitrobenzene: 480,000t/a	KBR America	E	Ningbo, Zhejiang
14	Fujian Connell chemical Co., Ltd.	MDI : 400,000t/a	CEAB Sweden	E	Fuqing, Fujian
15	Blue Star Harbin Petrochemical (Group) Co., Ltd. (Harbin Petrochemical Group Co., Ltd.)	Phenol/Acetone Revamping: 120,000t/a	UOP America	EPC	Harbin, Heilongjiang
16	Blue Star (Tianjin) Chemical Co., Ltd.	Phenol/Acetone: 300,000t/a	KBR America	E	Tanggu, Tianjin

17	Haicheng Chemical (Yangzhou) Co., Ltd.	Cumene: 200,000t/a	Badger America	E	Yangzhou, Jiangsu
18	Yunnan Dawei Ammonia Production Co., Ltd.	Ammonia: 300,000t/a Urea: 520,000t/a	Linde Germany	EPC	Qujing, Yunnan

SEDIN is specializing in gasification with international companies, as the below list.

International Cooperations of Gasification Reference List

NO.	CLIENT	PRODUCTS & CAPACITY	GASIFICATION TECHNOLOGY	SCOPE OF SERVICE	PLANT LOCATION
1	Shanxi Jincheng Lanhua Coal Chemical Co., Ltd.	Ammonia: 300,000t/a Urea: 520,000t/a	Siemens Germany	E	Jincheng, Shanxi
2	Shenhua Ningxia Coal Group	MTO: 500,000t/a	Siemens Germany	E	Ningxia, Yinchuan
3	China Coal Ordos Energy & Chemical Co. Ltd.	Ammonia: 1,000,000t/a Urea: 1,750,000t/a	ZEMAG Germany	EPC	Ordos, Inner Mongolia
4	Yunnan Xianfeng Chemical Co., Ltd.	Coal-to-Gasoline: 200,000t/a	ZEMAG Germany	EPC	Kunming, Yunnan
5	Shuangyashan Longmei Tiantai Coal	Methanol: 300,000t/a	ZEMAG	EPC	Shuangyashan, Heilongjiang

	Chemical Co Ltd.		Germany		
6	Yuntianhua Jinxin Chemical Company	Ammonia: 500,000t/a Urea: 800,000t/a	ZEMAG Germany	E	Hulun Buir, Inner Mongolia
7	Riches Chemical Co., Ltd, Yunnan Coal Industry Group	DME: 150,000t/a	ZEMAG Germany	E	Kaiyuan, Yunnan
8	Xiaoyi Fuxiao Co. Ltd.	900,000t/a tar processing project	GE America	E	Xiaoyi, Shanxi

Shanxi Industrial Equipment Installation Group Co., Ltd. - Energy from Waste Projects

No.	Employer	Project Name	Scope of Works	Project Site	Starting Date	Completion Date	Project Manager
1	Taiyuan Kangheng Renewable Energy Co., Ltd.	Taiyuan City Domestic Waste Incineration Power Plant	Installation of 4x750 t/d flue gas purification lines + 2x40MW extraction steam turbine generator units and supporting systems & auxiliary facilities, .	Qingxu County, Taiyuan City, Shanxi Province	2017/9/	In process	Li Pengfei
2	CECEP (Beijing) Energy Conservation and Environmental Protection Engineering Co., Ltd.	Pingxiang City Domestic Waste, Sludge Drying Incineration Power Generation Project Roof Grid Structure Engineering	Waste pits, unloading area, incineration area, flue gas purification roof steel grids, including the optimal design of roof steel grids, equipment supply, installation, commissioning, acceptance and related services.	Xiangdong Industrial Park, Qimu Village, Yangjiatian, Lianhua County, Pingxiang City, Jiangxi Province	2017/3/20	2017/5/20	Hao Pengqian
3	Taiyuan Huanjin Renewable Energy Co., Ltd.	Taiyuan City Domestic Waste Incineration Power Plant Project	This project is the general contracting of the project construction (the equipment and some materials are provided by the contractor), including the civil construction part and the equipment installation part.	Taiyuan Private Economic Development Zone	2016/6/30	2017/12/31	Wei chengren
4	Wenxi County Guanghong Waste Treatment Co., Ltd.	Wenxi County Domestic Waste Incineration Power Generation Project	Installation of 2x500t/d domestic waste grate incineration boiler + 2x6MW condensing steam turbine generator unit and supporting systems & facilities, and installation of fire pipe network and weak current system.	Tongcheng Town, Wenxi County, Yuncheng City, Shanxi Province	2016/6/1	2017/9/1	Zhang Yaogen
5	Shanxi Rongguang Energy Co., Ltd.	Civil Works (Installation) of Yangquan City Domestic Waste Incineration Power Generation Project	The first phase of the project - 2 x 550t/d circulating fluidized bed waste incinerator +1x15MW steam turbine generator unit including the design drawings, design changes within the fence provided by the contractor and other engineering and installations confirmed by the engineering contact list	Yinying Town, Yangquan City, Shanxi Province	2015/11/16	2016/12/20	Wu Zhiliang
6	Ningxia Zhongke Guotong New Energy Co., Ltd.	Wuzhong City Domestic Waste Incineration Power Generation Project	All working scopes covered by the general contracting construction of Wuzhong City Domestic Waste Incineration Power Generation Project (1x500t/d+1x10MW)	Wuzhong City, Ningxia Province	15/10/2016	15/11/2017	Zhang Shuai
7	CECEP (Beijing) Energy Conservation and Environmental Protection Engineering Co., Ltd.	Pingxiang City Domestic Waste, Sludge Drying Incineration Power Generation Project	Civil engineering: The production facilities, production auxiliary facilities and civil works of administrative living service facilities within 1 meter outside the red line of the project, the specific content shall be subject to the shop drawings. Installation works: installation of 2x350t/d domestic waste grate incineration boiler +12MW extraction condensing steam turbine generator unit and supporting equipment and facilities	Xiangdong Industrial Park, Qimu Village, Yangjiatian, Lianhua County, Pingxiang City, Jiangxi Province	2016/1/16	2016/12/31	Hao Pengqian
8	CECEP (Beijing) Energy Conservation and Environmental Protection Engineering Co., Ltd.	First Phase Civil Works and Installation Works of Tancheng Domestic Waste Incineration Power Generation Project	Construction and installation of all production facilities, auxiliary production facilities, administrative and living service facilities in the red line of the plant.	Yucheng, Shandong Province	2015/9/30	2016/12/30	Li Xueliang
9	CECEP (Beijing) Energy Conservation and Environmental Protection Engineering Co., Ltd.	Yantai City Mouping District Domestic Waste Comprehensive Treatment Power Generation Project	All civil works within 1 meters outside the red line of the project. All installation works within 1 meter outside the red line of the project.	Southwest of Wuning Town, Mouping District, Yantai City, Shandong Province	2015/6/15	2016/8/30	Jia Zhaohui
10	Anhui Shengyun Environmental Protection (Group) Co., Ltd.	Kaili City Domestic Waste Incineration Power Plant	Construction works	Gushan Town, Kaili City, Guizhou Province	2015	2017	Li Pengfei
11	Hefei Thermal Power Group Co., Ltd & CECEP (Hefei) Renewable Energy Co., Ltd.	Hefei City Domestic Waste Incineration Power Generation Expansion and Installation Project	Installation of 2x500 t/d domestic waste grate incineration boiler + 2x10MW condensing steam turbine generator unit and supporting systems & auxiliary facilities, and procurement of some equipment and materials.	Intersection of Tiangong Avenue and Hema Road, Hefei Circular Economy Demonstration Park	2014/9/20	2015/9/30	Wu Zhiliang
12	CECEP (Hefei) Renewable Energy Co., Ltd.	Hefei City Domestic Waste Incineration Power Generation Project -Construction of A section	The first phase - 2x500 t/d reciprocating mechanical grate incinerators, equipped with 2x10MW steam turbine generator units and supporting facilities.	Hefei City, Anhui Province	2012/2/8	2013/4/28	Hai Bo

