

SONG DA 6 JOINT STOCK COMPANY

www.songda6.com.vn



PROFILE

>> OVERVIEW OF SONG DA 6

· Name: Song Da 6 Joint Stock Company

· **Head office:** TM Building, Van Khe Urban, La Khe Ward, Ha Dong District, Ha Noi

· **Tel:** 024.2225 3666

· Fax: 024.2225 3366

· Website: www.songda6.com.vn

• **Email:** congtycophansongda6@songda6.com.vn

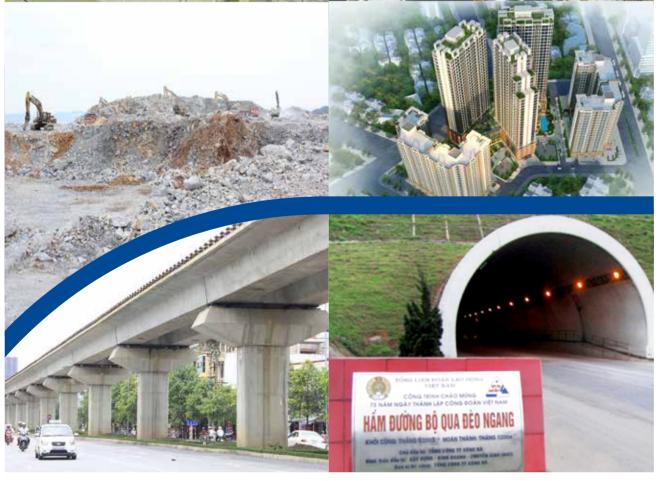
• **Tax code:** 4400135552

· Charter capital: 347.716.110.000 VNĐ



Total revenue (2013 ÷ 2018): **5,124** billion VND Total assets (2018): **1,491** billion VND Owner's equity (2018): 464 billion VND





>> HISTORY OF ESTABLISHMENT AND DEVELOPMENT



1/5/1983

Song Da 6 JSC was established with the initial name Hydraulic Construction Company

1986 - 1995

Song Da 6 was honored to receive "Second-class Labor Medal" in 1986; received "First-class Labor Medal" in 1989; received "Third-class Independence Medal" in 1995; received "Third-class Victory Medal" in 1996.

3/1/2006

Song Da 6 Joint Stock Company officially went into operation in the form of Joint Stock Company according to Business Registration Certificate No. 3903000072 by the Department of Planning and Investment of Gia Lai Province.

25/12/2006

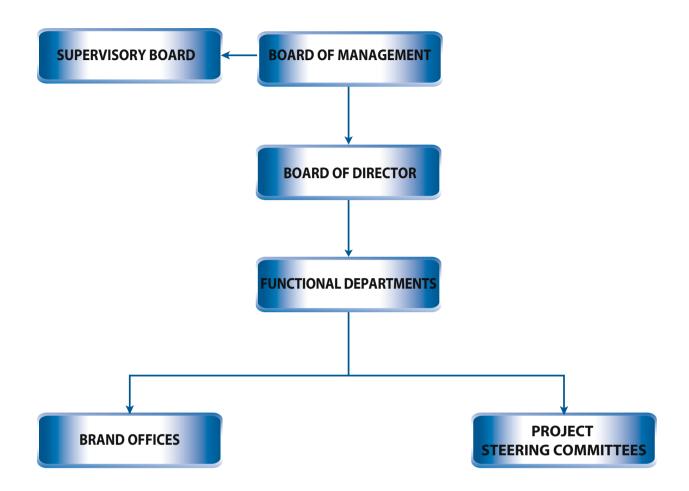
Song Da 6 was officially listed and traded on Hanoi Stock Exchange.

12/2011

2011 Song Da 6 Joint Stock Company is honored to receive the title of "Labor Hero of Innovation" and "Second Class Independence Medal" by the Party and State.



>> ORGANIZATION STRUCTURE





Mr. Dang Quoc Bao Chairman



Mr. Dao Xuan Tuan **General Director**

>> QUALITY CERTIFICATION







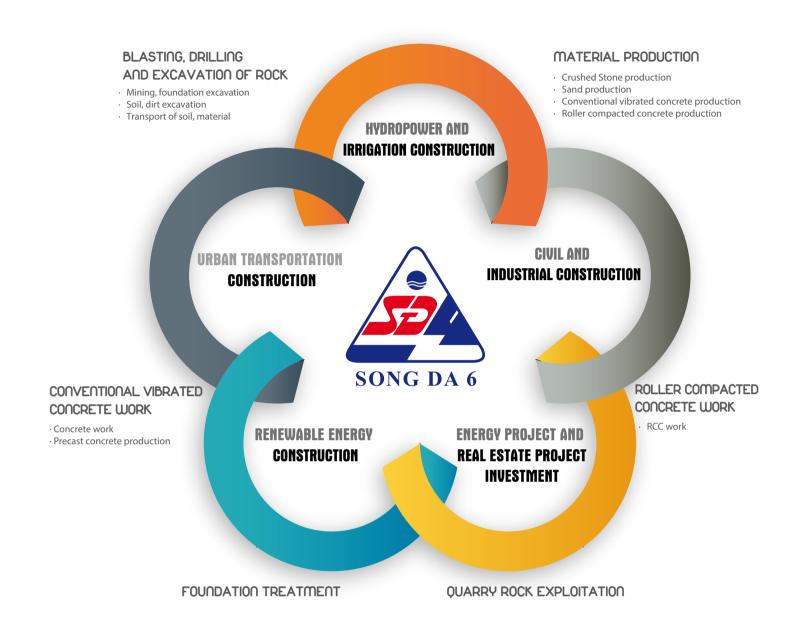


>> TITLE AND QUALITY CERTIFICATE









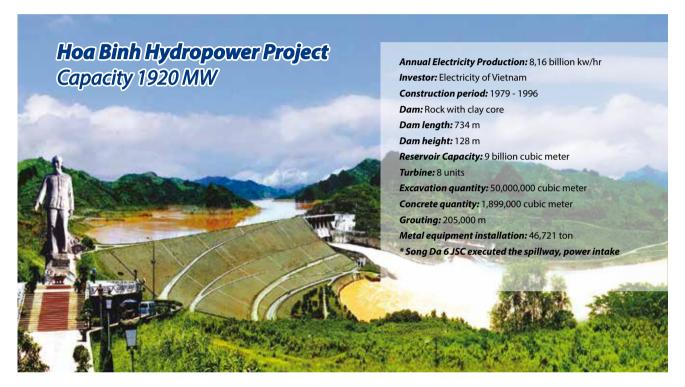
Promoting the cutural strength of Song Da artisans along with experiences in each national key project, Song Da 6 is heading toward the goal of being the professional construction entity, being EPC contractor in Vietnam and worldwide.

>> HYDROPOWER CONSTRUCTION

Hydropower construction is Song Da 6's strength since its establishment. With experienced, competent employees, engineers to survey, plan, set up method statement for high-capacity hydropower projects and modern, high-technology equipments, Song DA 6 has been mastering to construction technology and move forward to be the investor of national and international hydropower projects, assisting to reduce electricity shortage.

TYPICAL PROJECTS

DOMESTIC PROJECT:





Yaly Hydropower Project Capacity 720 MW

Investor: Electricity of Vietnam Construction period: 1993 - 2000 Dam: Rock with clay core

Dam height: 60 m

Reservoir capacity: Over 1 billion cubic meter

Turbine: 4 units

Excavation quantity: 18,000,000 cubic meter Concrete quantity: 5,010,000 cubic meter

Grouting: 116,000 m

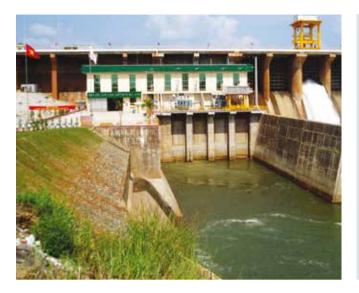
Metal equipment installation: 17,500 ton

Tunnel drilling length: 7,582 m

* Song Da 6 JSC executed the spillway, power intake, power house



Can Don Hydropower Project - Capacity 776 MW



Investor: Can Don Hydropower Joint Stock Company

Construction period: 2000 - 2004

Dam: Gravity Concrete Dam

Dam Length: 745 m

Dam Height: 45.5 m

Reservoir Capacity: 165.5 million cubic meter

Turbine: 02 units

Excavation quantity: 2,000,000 cubic meter Concrete quantity: 219,000 cubic meter

Grouting: 8,377 m

Metal Equipment Installation: 3,730 ton * Song Da 6 JSC executed the power house

Se San 3A Hydropower Project - Capacity 108 MW

Investor: Se San 3A Power Investment and Development Joint

Stock Company

Construction period: 2002 - 2007 Dam: Gravity Concrete Dam **Dam length:** 110.73 m

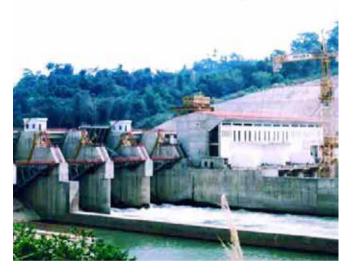
Dam height: 35 m Dam crest width: 13 m Average water level: 36 m

Reservoir Capacity: 80.6 million cubic meter

Turbine: 2 units

Excavation quantity: 820 x 103 cubic meter Concrete quantity: 282.73 x 10³ cubic meter

* Song Da 6 JSC was the general construction contractor



Se San 4A Hydropower Project - Capacity 360 MW



Investor: Electricity of Vietnam

Construction period: 2003 - 2010

Dam length: 850 m **Dam height:** 74.13 m

Dam crest width: 10 m Dam: RCC Dam

Average water level: 36 m

Reservoir Capacity: 893 million cubic meter

Excavation quantity: 2 million cubic meter of rock, soil

Concrete quantity: 1.42 x 10⁶ cubic meter

Grouting: 53.79 x 10³ long meter

* Song Da 6 JSC executed RCC dam and CVC spillway, power house

Son La Hydropower Project - Capacity 2400 MW

The largest Hydropower in South East Asia Investor: Electricity of Vietnam Construction period: 2005 - 2012 Annual Electricity Production: 9.429 billion kw/h Contract value with SD6: 430 billion Dong Dam: RCC Dam Dam height: 138.1 m Reservoir Capacity: 9.26 x 10° cubic meter Turbine: 6 units * Song Da 6 JSC executed the transformation chamber; erection chamber and tailrace

Lai Chau Hydropower Project - Capacity 1200 MW

Investor: Electricity of Vietnam

Construction period: 2011 - 2016

Contract value with SD6: 710 billion Dong

Dam: Gravity Concrete Dam **Turbine:** 2 units

* Song Da 6 JSC executed the transformation chamber, erection chamber and tailrace



Hua Na Hydropower Project - Capacity 180 MW

Investor: Petro Vietnam

Contract value with SD6: 359 billion dong
Construction period: 2008 - 2013
Dam: Gravity concrete dam
Dam length: 366.9 m
Dam height: 244.6 m
Dam crest width: 8 m
Turbine: 2 units

Basin area: 5,345 square km

* Song Da 6 JSC executed the dam, spillway



Dong Nai 5 Hydropower Project - Capacity 150 MW

Investor: Vietnam National Coal - Mineral Industries Holding

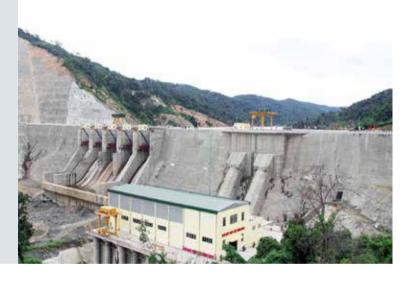
Corporation Limited

Construction period: 2013 - 2015
Contract value with SD6: 415 billion dong

Dam length: 471 m
Dam height: 72 m
Dam crest width: 10 m
Dam: RCC dam
Turbine: 2 units

Construction period: 3 years

* Song Da 6 JSC executed the RCC dam and CVC spillway



Huoi Quang Hydropower Project - Capacity 520 MW

Investor: Electricity of Vietnam

Contract value with SD6: 1099 billion Dong **Construction period:** 2007 - 2016

Dam: Gravity Concrete Dam

Dam length: 267 m **Dam height:** 374 m

Reservoir Capacity: 184.2 million cubic meter

Turbine: 2 units

Excavation quantity: 2,869,400 cubic meter **Concrete quantity:** 936,720 cubic meter

Grouting: 30,050 long meter

Metal Equipment Installation: 13,378.2 ton

* Song Da 6 JSC executed the CVC dam, spillway and concrete structure of underground powerhouse



Nam Chien Hydropower Project - Capacity 200 MW



Investor: Nam Chien 1 Hydropower Joint Stock Company

Contract value with SD6: 172 billion dong

Construction period: 2005 - 2012

Dam height: 135 m

* Song Da 6 JSC executed the spillway



Pac Ma Hydropower Project - Capacity 140 MW

Investor: Pac Ma Hydropower Joint Stock Company

Contract value with SD6: 652 billion Dong

Construction period: 2016 - 2019

Turbine: 4 units



Dong Van Hydropower Project - Capacity 28 MW

Investor: Dakrong Hydropower Joint Stock

Contract value with SD6: 298 billion Dong

Construction period: 2015 - 2017 **Dam:** Gravity Concrete Dam **Dam length:** 229.19 m

Turbine: 2 units

Dam height: 51.8 m

Excavation quanity: 483,000 cubic meter Concrete quantity: 131,030 cubic meter

Grouting: 4,750 cubic meter

* Song Da 6 JSC was the general construction

contractor



Nam Cum 4 Hydropower Project - Capacity 54 MW

Investor: Nam Cum Hydropower Joint Stock Company

Contract value with SD6: 400 billion Dong

Construction period: 2017 - 2019 **Dam:** Gravity Concrete Dam

Turbine: 2 units

Concrete quantity: 160,450 cubic meter

* Song Da 6 JSC executed the CVC dam



Su Pan 1 Hydropower Project - Capacity 30 MW

Investor: Viet Long Industrial JSC

Contract value with SD6: 74 billion Dong

Construction period: 2016 - 2017

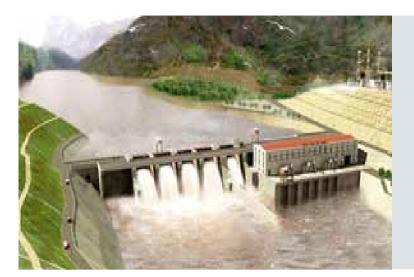
Dam: Arch Dam Turbine: 2 units

Concrete quantity: 55,000 cubic meter

* Song Da 6 JSC executed the arch dam



Song Ma 3 Hydropower Project - Capacity 29.5 MW



Investor: Dong A Investment - Construction Joint

Stock Company

Contract value with SD6: 247 billion Dong

Construction period: 2016 - 2018

Dam: Gravity Concrete Dam

Turbine: 2 units

Concrete quantity: 141,200 cubic meter

* Song Da 6 JSC executed the CVC dam

Song Lo 2 Hydropower Project - Capacity 28 MW

Investor: Thanh Binh Limited Company

Contract value with SD6: 251.81 billion Dong

Construction period: 2015 - 2018

Dam: Gravity Concrete Dam **Dam length:** 173.20 m

Dam height: 36.2 m

Turbine: 2 units Basin area: 8,330 square km

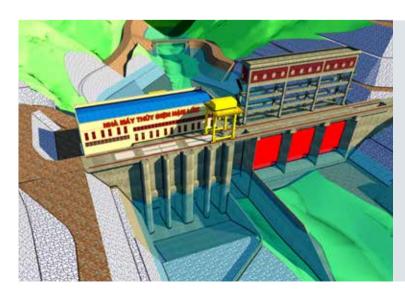
Excavation quanity: 294,140 cubic meter

Concrete quantity: 61,520 cubic meter

* Song Da 6 was the general construction contractor



Nam Luc Hydropower Project - Capacity 24MW



Investor: Nam Luc South East Asia Hydropower Joint Stock Company

Construction period: 15/01/2018

* Song Da 6 was the general construction contractor

FOREIGN PROJECTS:

Xekaman 1 Hydropower Project - Capacity 290 MW

Investor: Viet - Lao Power Joint Stock Company

Contract value with SD6: 631.27 billion Dong

Construction period: 2010 - 2015

Dam: RCC Dam

Dam length: 310 m

Dam height: 120 m

Turbine: 2 units

Concrete quantity: 880,000 cubic meter

Basin area: 3,580 square km Reservoir: 4.8 square km

* Song Da 6 JSC executed the power house, produce

and supplied RCC



Xekaman 3 Hydropower Project - Lao PDR

Capacity 250 MW

Investor: Viet - Lao Power Joint Stock Company

Contract value with SD6: 639 billion Dong

Construction period: 2006 - 2011

Dam length: 650 m

Dam height: 94 m

Dam crest width: 10 m

Reservoir capacity: 930 million cubic meter

Turbine: 2 units

Excavation quantity: 8.5 million cubic meter

Concrete quantity: 2.46 cubic meter

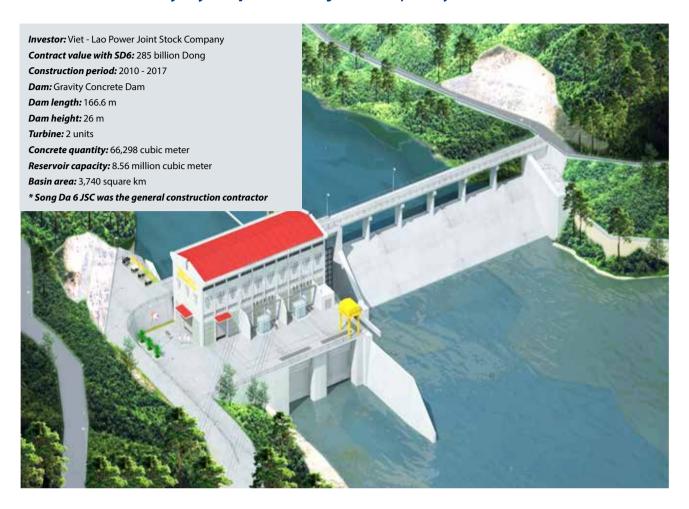
Tunnel: 8.79 x 10³ long meter

* Song Da 6 JSC executed the CFRD (concrete face Rock fill Dam) and power house





Xekaman - Sanxay Hydropower Project - Capacity 32 MW



Nam Theun 1 hydropower project - Capacity 650 MW

Investor: Nam Theun 1 Power Com., Ltd *Construction period:* 2017-2022

Dam: RCC

* Song Da 6 Joint Stock Company executed concrete items (power intake, spillway, ...)



>> CIVIL CONSTRUCTION FIELD

Prior to the international economic integration trend, with the goal of sustainable development, creating jobs for the Company, Song Da 6 has involved in the construction of civil projects, urban areas, contributed to the growth of the Country.

TYPICAL PROJECTS

National Assembly House



Investor: Ministry of Construction *Contract value with SD6:* 470 billion Dong *Construction period:* 2011 - 2015

Location: Lot D and E - Ba Dinh Politics Center - Hanoi

Scale: 2 basements, 5 floors, total floor area: 63,240 square meter

 * Song Da 6 executed 2 ground floors and a quarter of body structure quantity of National Assembly House

18T1 Building - HH6 -Nam An Khanh Urban

Investor: Song Da - Hoang Long Joint Stock Company

Contract value: 267 billion Dong **Construction period:** 2014 - 2016

Location: Lot HH6 - Nam An Khanh New Urban, Hoai Duc, Hanoi **Scale:** 1 basement, 18 floors, total floor areas 44,300 square meter

* Song Da 6 JSC was the general contractor of the project



CT3 Building - X2 Dai Kim Urban

Investor: Ministry of Defence Urban Housing Deverlopment Investment Corporation

Contract value with VND6: 271 billion Dong

Construction period: 2/2018 - 9/2019

Location: Ward Dai Kim, Hoang Mai District, TP. Hanoi

Scale: 3 basements, 28 floating floors

* Song Da 6 JSC was the general contractor of the project



32T Building - HH6 - Nam An Khanh Urban

Investor: Song Da - Hoang Long Joint Stock Company

Contract value: 295 billion Dong

Construction period: 2015 - 2018

Location: Lot HH6 - Nam An Khanh New Urban, Hoai Duc, Hanoi

Scale: 32 floors, total floor areas 49,300 square meter

* Song Da 6 was the general contractor



CT2 Building - Van Khe Urban

Investor: Song Da 6 Joint Stock Company

Contract value: 214 billion Dong **Construction period:** 2007 - 2010

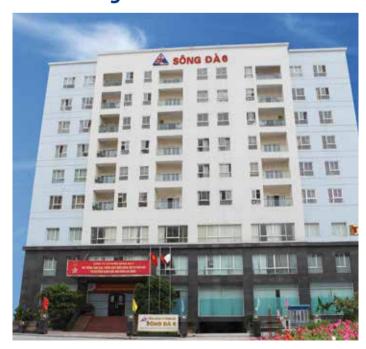
Location: Van Khe Urban, Ha Dong District, Hanoi

Scale: 1 basement, 25 floors, total floor areas 42,750 square meter

* Song Da 6 was the investor and general contractor



TM Building - Van Khe Urban



Investor: Song Da 6 Joint Stock Company

Contract value: 73 billion Dong **Construction period:** 2009 - 2010

Location: Van Khe Urban, Ha Dong District, Hanoi

Scale: 1 basement, 10 floors, total floor areas 8,460 square meter

 $\hbox{*Song Da 6 was the investor and general contractor}$

Housing For Vice Ministers And Equivalent - Xuan Phuong Urban

Investor: Song Da 7 Urban Investment and Industrial Zone Joint Stock Company

Contract value: 62 billion Dong

Location: Xuan Phuong Urban, Tu Liem District, Hanoi



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BIÁ BIÉM XAY DUNG : O ĐẬT TIỆN THO KHU ĐỘ THI MỘI XUÂN PHƯƠNG, TỪ LIÊM, HÀ NỘI CHỦ ĐẦU TÙ : CÔNG TY CÓ PHẨN ĐẦU TÙ ĐỘ THỊ VÀ KHU CÔNG NGHIỆP SÔNG ĐÁ 7 - VẪN PHÔNG QUỐC HỘI CO QUÂN THIỆT KẾ: CÔNG TY TÙ VẬM ĐẠI HỘC XÂY DUNG

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>> INDUSTRIAL CONSTRUCTION

Luks Cement Factory

Investor: Luks Limited Company, Thua Thien Hue Province

Contract value with SD6: 30 billion Dong **Construction period:** 2004 - 2007

Scale: 2.4 billion ton per year

Ha Long Cement Factory

Investor: Ha Long Cement Cement Joint Stock Company *Scale:* 22.07 million tons / year

* Song Da 6 JSC exploits and transports limestone to supply for the cement plants





>> TRANSPORTATION

TYPICAL PROJECTS

Ngang Pass Tunnel

Investor: Song Da Corporation
Construction period: 2003 - 2004
Main tunnel length: 495 m

Width: 11.5 m *Height:* 7.5 m

* Song Da 6 JSC executed the structure system



Ho Chi Minh Urban Railway Project, Line Ben Thanh - Suoi Tien

Investor: Ho Chi Minh City People's Committee *Contract value with SD6:* 67 billion Dong

Construction period: 2015 - 2016

* Song Da 6 executed foundation, pier and piercap



Hanoi Urban Railway Project, Line Cat Linh - Ha Dong

Investor: Ministry of Transport

Contract value with SD6: 58 billion Dong

Construction period: 2013 - 2014

* Song Da 6 JSC executed boredpile, foundation, pier and piercap





>> RENEWABLE ENERGY CONSTRUCTION

With the development through many national key projects and the orientation of diversifying business lines, Song Da 6 is always ready to cooperate in the investment and construction in the field of renewable energy nationally and internationally to supply electricity to the country and promote the development of other economic sectors.

WIND POWER PROJECTS



SOLAR POWER PROJECTS





>> EQUIPMENT CAPACITY

Song Da 6 JSC has over 400 plants and equipments with total value of 500 billion Dong including: sand, stone crushing plants (METSO 500,000 m³ per year crushing plant; TDU-90; PDSU-110;CEMCO TUBOR 80 capacity from 180 ton per hour to 250 ton per hour, etc), concrete batching plants (batching plants with cooling tower, capacity from 60 m³ per hour to 125 m³ per hour); 12ton tower crane; MD900B 50 ton tower crane; crawler cranes from 20 ton to 70 ton; mechanical equipments such as Furukawa rock driller, excavators, dump trucks, mixing trucks, etc. One of Song Da 6's advantages and strength is the modern plants and equipment capacity. Majority of plants and equipments are manufactured according to G7 and Northern Europe technology to not only create products with quality and safety but also minimize impacts to the environment.

KEY CONSTRUCTION EQUIPMENT

No	Equipment	Unit	Specification	Quantity (pcs)
1	Bulldozer	CV	110 ÷ 180	8
2	Excavator	m³	0.8 ÷ 3.6	19
3	Wheel Loader	m³	2.2 ÷ 3.2	22
4	MD 900B Tower Crane	Ton	50	2
5	Tower crane	Ton	10 ÷ 12	9
6	Crawler Crane & Wheel Crane	Ton	25 ÷ 70	11
7	Concrete Batching Plant	m³/hr	60 ÷ 125	9
8	Rock Drilling Machine	Mm	76 ÷ 105	5
9	Air Compressor	m³/min	2 ÷ 30	7
10	Crushing Plant	T/hr	150 ÷ 350	7
11	Mixing Truck	m³	6 ÷ 8	36
12	Dump Truck	m³	12 ÷ 25	63
13	Generator	KVA	50 ÷ 500	12

>> MECHANICAL CONSTRUCTION CAPACITY





Hydraulic Rock Drilling Machine



















>> Material Production

- + Crushed stone Production: 1,000,000 m³ per year + Sand Production: 600,000 m² per year





350 Ton per hour Sand, stone crushing and screening plant



250 Ton per hour Sand, stone crushing and screening plant



120 m³ per hour CVC Batching Plant (Cool)



RCC Bathching Plant

>> CONCRETE CONSTRUCTION CAPACITY

To bring into play more than 30 years of operation efforts, with the orientation to master the modern technology, dynamic and creation, Song Da 6's concrete construction capacity has been extraordinary improved.



Belt conveyor system at Dong Nai 5 Hydropower Project



Roller Compacted Concrete work at Dong Nai 5 Hydropower Project



Potain Tower Crane at Se San 4 Hydropower Project



Potain Tower crane and 1200 ton Crawler Crane at National Assembly House Project



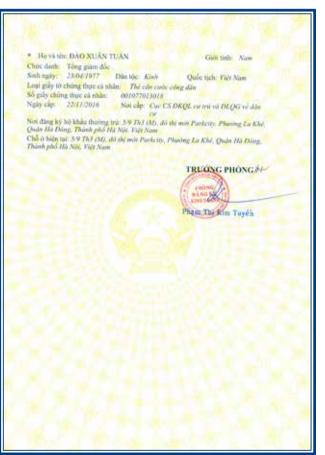
MD-900B and Zoomlion Tower Crane at Huoi Quang Hydropower Project

BUSINESS REGISTRATION OF SONG DA JOINT STOCK COMPANY 6

PARTNERS OF SONG DA 6 JSC <









>> PROJECT CUSTOMERS



Electricity of Vietnam



Petro Vietnam



Vietnam National Coal -Mineral Industries Holding **Corporation Limited**





Hung Hai Group

HUNG HAI GROUP

Bitexco Group



Can Don Hydropower

Joint Stock Company

Huong Son Hydropower JSC



Power Engineering Consulting Joint Stock Company 1



Nam Chien Hydropower JSC



Vietnam Railway

Authority

Viet Long Industrial Joint Stock Company



Long Viet Joint Stock company



Thanh Binh Limited Company



Ha Long cement JSC

BINHDIEN HJSC

Binh Dien Hydropower JSC

Hua Na Hydropower JSC



Song Da Urban & Industrial Zone invesment Development JSC - SUDICO



SeSan 3A Power investment and development JSC



Se Sa 4A Hydropower Joint Stock Company



Viet - Lao Power Joint Stock Company

>> FINANCIAL PARTNERS



Samsung E&C



Huyndai E&C



Posco E&C



Joint Stock Commercial Bank for Investment and **Development of Vietnam**



Vietnam Joint Stock Commercial Bank for Industry and Trade



Joint Stock Commercial Bank for Foreign Trade of Vietnam

>> PARTNERS ON SUPPLYING EQUIPMENT AND MATERIAL



Luks cement Viet Nam Limited company



Ha Long cement JSC



Northern Cement Trading Joint Stock Company



Liugong



Sakai



Viet - Italy steel JSC



Institute of Machine and Tool Industry



Thien Phuc Refrigeration Limited company



Lioa

Misubishi

MITSUBISHI

HITACHI

Hitachi



Airman



Potain Tower crane



Furukawa



Komatsu



Nikon



Deawoo



Faw



Caterpillar



Huyndai



Dongfeng



Thaco



Faw



Zoomlion



Kobelco



Sumitomo



TM Building, Van Khe Urban, La Khe Ward, Ha Dong District, Ha Noi Tel: 024.22253666

Fax: 024.22253366

Email: congtycophansongda6@songda6.com.vn Website: www.songda6.com.vn