

"Korea's First to the World's Best, The 2020 ENR Top Rank"

Investor Relations 2019

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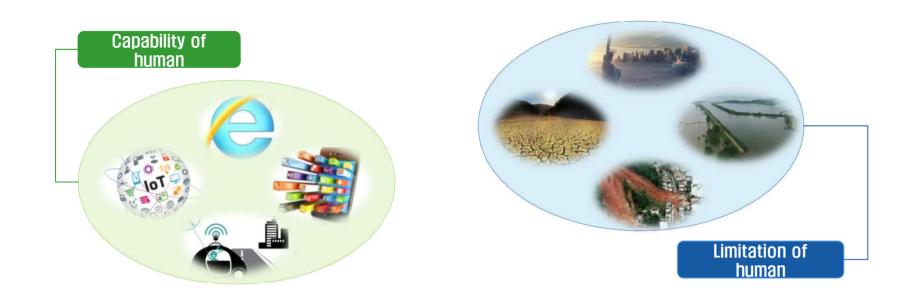
1. Introduction of DOHWA

• Mission : We value people and nature

- Vision : We design the world for the future of humanity Korea's first to the world's best. The 2020 ENR Top Rank
- Core Value : People, Collaboration, Creativity

Outline	Busin	ess Sector
 DOHWA Engineering Co.,Ltd. CEO: Kim Young Yoon, Park Seung Woo Ro Jin Myung, Kwak Jun Sang Established Date: 1957. 08. 15 IPO Date: 2010. 08. 12 Address: 438, Samseong-ro, Gangnam-gu, Seoul, Republic of Korea 	• Water & Wastewater	• Plant (Photovoltaics /Renewable Energy)
Capital : 16.86 billion won Financial outcome : Revenue \rightarrow 402.5 billion won Operating Profit : 17.3 billion won (2018.12.31, Consolidated) Number of Employee : 2,049 (2018.12.31) (524 PE among 1,773Engineer)	• Urban planning / Design	• Infrastructure (Water Resources/Road/Harbor/Transportation
Main Business		
Planning / Feasibility Study / Design / Supervision / CM / EPC / O&M	• Railway	Supervision/CM, EPC, O&M
Global Network	Rainway	Supervision/Civi, LPC, Oaivi
Operate 21 branch offices & corporation world wide Performed multiple engineering projects mainly financed by Multilateral Development Bank	A STATE OF THE STA	
(EDCF WB, ADB, IDB, AFDB)		

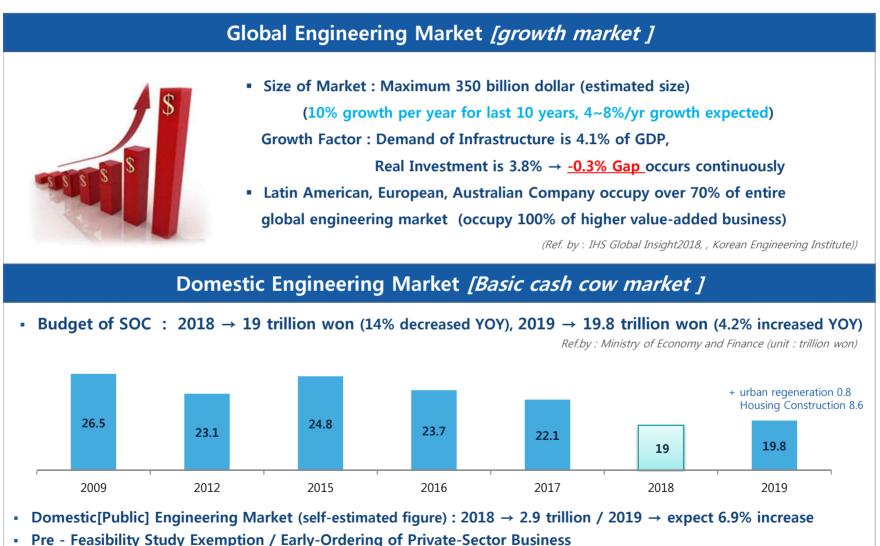
2. Business Process of Engineering



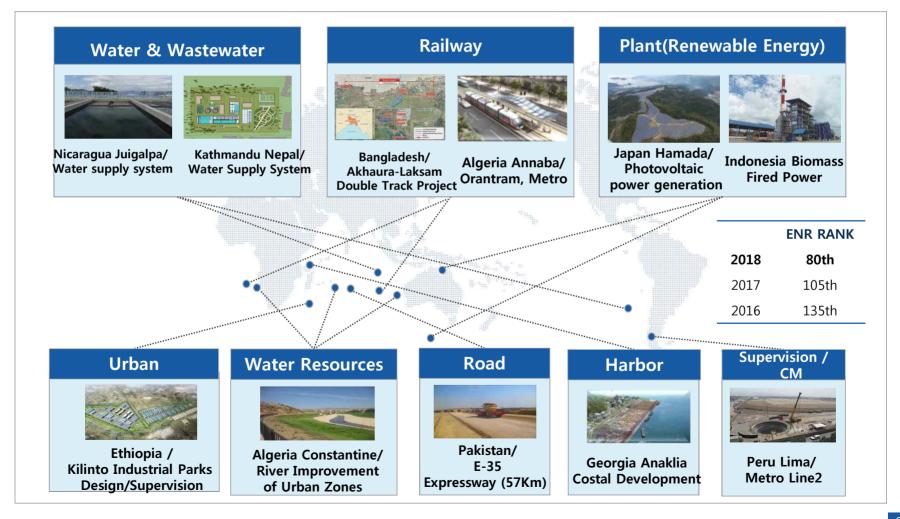
The area [■] Dohwa Engineering_■ Challenge to Weather anomaly, Typhoon, Drought, Landslide, Earthquake



The number one leading company in Korea / ENR Global Ranking 80th



High Growth in global engineering market See Actively performed oversea projects Remarkable results by each department



Have Know-how by Performing 10000 cases of Infra Engineering Project Performed Domestic/Oversea Mega project based on Global network

Division	Project	Project Type	Outline	Status	Sum of Order (Unit: Won)	
Water & Wastewater	Managing publically owned treatment works	0&M	 Managing publically owned treatment works from Private enterprise Market Size : 1.3 trillion won per year 	300 billion won Per year (seongnam sewerage - 7billion/y)	Total 21 project, About 700billion (2014~2018)	
Railway	GTX-A Line	Private Business Lead by FI	• GTX-A Line PPP • Key role in first FI Business	Working Design Basic Design (F/S, PM, SE and etc.)	7.55billion 3.16billion	
Plant	Renewable Energy, Biomass	EPC O&M	 Photovoltaics in Japan (EPC: 7 projects, O&M: 8 projects) QNY 40MW Solar Power Plant in Vietnam Wando Wind Plant EPC Gangneung Biomass EPC 	Actively promote Renewable Energy Business	EPC 31.78 billion O&M 13.08billon EPC 6.2billion EPC 4.73billion EPC 4.07billion	
Infra	Indonesia Hydroelectric Power Generation	Strategic Investment on EPC, O&M	 Construction/Operation of Siborpa / Tripa 100MW Hydroelectric Power Generation Equity Participation in SPC with KOMIPO 	Contract Upcoming	30 biliion for Each EPC	



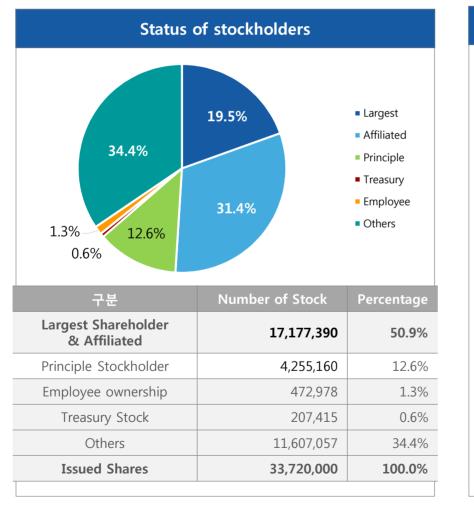
"Based on mission, vision, core value we will pioneer a global market which gives convenience for humanity"

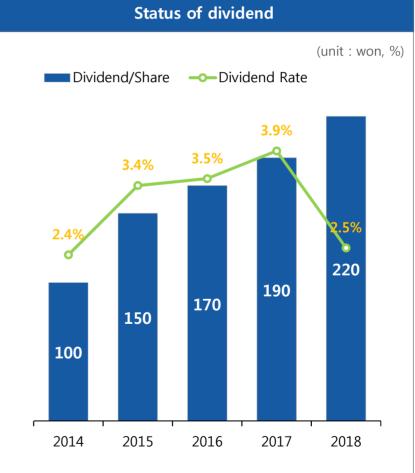
New Market(Global), New Business(Investment b), New Area(renewable energy, PMC)



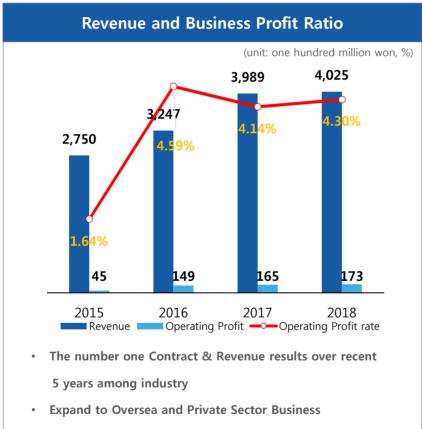
Stable Management control

Maintain High Dividend maximization of shareholder





Largest market share among engineering industry Continuous revenue growth, Stable business profit



- \rightarrow Increase Contract & Revenue
- Operating leverage effect due to Increase on Revenue
 - \rightarrow Improvement of Operating Profit

Credit Rating over 3 years

		years				
Year	2016	201	L7	2	2018	2019
CREDIT RATE	AA+	AA	+		AA+	AA+
		*Credit-rat	ting age	ncy : N	liceDND co.,l	td. (For Public)
Business	outcome				(unit	: million won)
	18.4Q	QoQ	19.1	Q	YoY	18.1Q
Revenue	117,286	-12.9%	102	,053	6.2%	96,137
Domestic	108,255	-32.1%	73	,479	17.6%	62,489
Oversea	9,031	216.4%	28	,574	-15.1%	33,648
Operating Profit	9,358	-75.3%	2	,308	-30.0%	3,293
Margin(%)	8.0%	-71.3%		2.3%	-32.4%	3.4%
Net profit	7,343	-70.2%	2	,186	-13.7%	2,534
Margin(%)	6.3%	-66.0%	2.	14%	-17.7%	2.6%

*Statement of Income (DOHWA only)

Current ratio 126.6%, Liabilities ratio 51.1%, Debt to Asset 1.15% Maintain Industry-Leading Financial Reliability

Fina	Financial Position (unit: million won)				
	2016.12	2017.12	2018.12		
Asset	308,514	328,595	375,922		
Current Asset	99,393	112,724	156,080		
Non-Current Asset	209,121	215,871	219,842		
Liabilities	82,450	92,816	127,182		
Current Liabilities	82,450	88,634	123,278		
Non-Current Liabilities	-	4,182	3,904		
Equity	226,064	235,778	248,740		
Capital	16,860	16,860	16,860		
Capital Surplus	33,779	33,771	33,771		
Earned Surplus	178,522	185,191	202,753		

