

# 22<sup>nd</sup> World Energy Congress

Daegu, Korea (Rep.), 13-17 October 2013



## Securing Tomorrow's Energy Today

### 총회 개괄

	Monday, 14 Oct 2013	Tuesday, 15 Oct 2013	Wednesday, 16 Oct 2013	Thursday, 17 Oct 2013
	Business Day : Future, Scenario Focus	Business Day : Finance, Technology focus	Policy / Ministers Day	UN / Society Day
08.30-08.45	Scene Setting, 전문 MC 의 일별 Theme 소개 및 비디오 상영			
08.45-10.00	Keynote Speeches, 기조연설, 일별 테마에 맞는 자유 주제, 연사 당 10-15 분			
10.00-11.15	Opening, 전체 회의, 75 분 간 4-5 명의 연사가 좌담 형식의 토론 진행, 연설/Presentation 없음			
11.45-13.00	Spotlight Sessions, 본과 회의 200-300 명 규모의 동시 세션, 아래 5 개 Type 의 세션 5-6 개 동시 진행,			
14.15-15.30 (Lunch, 13.00-14.15)	<ul style="list-style-type: none"><li>• <b>Face to Face:</b> Providing a space for <b>World Energy Perspectives</b></li><li>• <b>Game Changer:</b> Exploring critical drivers fuelling the energy transition and inspiring <b>World Energy Scenarios</b></li><li>• <b>Bottom Line:</b> Covering outlook, innovation and inspiring examples in key <b>World Energy Resources</b></li><li>• <b>What Does It Take?:</b> Highlighting necessary institutional change to balance the <b>World Energy Trilemma</b></li><li>• <b>Regional Crossroads:</b> Developing an overview on different regional priorities defined by specific contexts, trends and opportunities</li></ul>			
16.00-17.15	Closing, 전체 회의, 75 분 간 4-5 명의 연사가 좌담 형식의 토론 진행, 연설/Presentation 없음		Ministerial Dialogue, 장관 라운드테이블 I, II 로 진행 I. Energy in Transition II. Energy in Development	Closing
17.15-18.30	Closing	Special Address, 기조연설 (Keynote 와 동일)		
	Community Roundtable: CEO 및 장관 등 특정 그룹 high level 참석자들간 네트워킹을 목적으로 진행 (Invitation only, Closed Session, Peer Group meeting)			
11.45-15.30 오찬 포함	WEC National Member Committee Chairs' Roundtable WEC 국가위원회 의장 모임	World Energy Leaders' Summit (WELS) CEO 모임, 70-80 명 규모	Ministerial Roundtable 장관 모임	Global Electricity Initiative (GEI) 전력 회사 모임

### 총회 세부 프로그램 (2013.07.23)

	Monday, 14 Oct 2013	Tuesday, 15 Oct 2013	Wednesday, 16 Oct 2013	Thursday, 17 Oct 2013
Daily Theme	Vision and Scenarios for the Future	Identifying the Business Opportunities: Resources and Technologies	The Energy Trilemma: Policy Solutions to Secure Prosperity	Securing a Sustainable Energy Future
08.30-08.45	Scene Setting	Scene Setting	Scene Setting	Scene Setting
08.45-10.00	Keynote Speeches Khalid Al-Falih (CEO, Saudi Aramco)	Keynote Speeches Peter Voser (CEO, Royal Dutch Shell)	Keynote Speeches Alexander Novak (Minister of Energy, Russia)	Keynote Speeches Ban, Ki-moon (SG, UN) - invited
10.00-11.15	Opening Tomorrow's energy: Connecting the dots 에너지 시나리오와 업계의 주요 아젠다 <ul style="list-style-type: none"> <li>• Jim Leape (Global CEO, WWF International)</li> <li>• Michael Suess (CEO of Energy Sector, Siemens)</li> <li>• Johannes Teyssen (Chairman &amp; CEO, E.ON)</li> <li>• Zola Tsotsi (Chairperson, Eskom)</li> </ul>	Opening Financing tomorrow's energy 미래 에너지 산업과 투자 <ul style="list-style-type: none"> <li>• José da Costa Carvalho Neto (CEO, Eletrobras)</li> <li>• Agostino Galvagni (CEO of Corporate Solutions, Swiss Re)</li> <li>• Gonzalo Garcia (Global Co-head of Power and Utilities, Goldman Sachs)</li> <li>• Michael Liebreich (CEO, BNEF)</li> <li>• Tuls Tanti (Chairman, Suzlon)</li> </ul>	Opening Overcoming the energy policy trilemma 에너지 정책의 상충과 극복하기 <ul style="list-style-type: none"> <li>• John Drzik (CEO, Oliver Wyman)</li> <li>• Enrique Garcia (President &amp; CEO, CAF)</li> <li>• Maria van der Hoeven (ED, IEA)</li> <li>• Taner Yildiz (Minister of Energy and Natural Resources, Turkey)</li> </ul>	Opening Sustainable energy for all: One year later UN, 모두를 위한 지속 가능한 에너지 : 그 후 1 년 <ul style="list-style-type: none"> <li>• Fatih Birol (Chief Economist, IEA)</li> <li>• S. Vijay Iyer (Director, WB)</li> <li>• Henri Proglio (Chairman &amp; CEO, EdF)</li> <li>• Kandeh Yumkella (CEO of the SE4ALL Initiative, UN)</li> </ul>
11.15-11.45	네트워킹 브레이크			
11.45-13.00	Face to Face Post-Fukushima nuclear challenges 후쿠시마 원전 사고가 남긴 과제 <ul style="list-style-type: none"> <li>• Naomi Hirose (President, TEPCO)</li> </ul>	Face to Face Shale gas and oil: Is it just a bubble? 셰일 가스: 또 하나의 버블인가? <ul style="list-style-type: none"> <li>• Gérard Mestrallet* (Chairman &amp; CEO, GDF SUEZ)</li> </ul>	Face to Face Can renewable energy be India's green gold? 신재생 에너지, 인도의 녹색 성장 동력이 될 수 있을까 <ul style="list-style-type: none"> <li>• Farooq Abdullah* (Minister of New and Renewable Energy, India)</li> </ul>	Face to Face Are yesterday's cities fit for tomorrow's energy? 과거에 건설된 도시와 미래 에너지원, 공존할 수 있나 <ul style="list-style-type: none"> <li>• TBC</li> </ul>
	Game Changer Energy storage: Defining the future for e-Mobility and renewables 에너지 저장: E-Mobility 와 신재생에너지의 미래를 정의하다 <ul style="list-style-type: none"> <li>• Joël François Mesot (President, PSI)</li> <li>• Sossina Haile (Professor of Materials Science and Chemical Engineering, Caltech)</li> <li>• Friedrich Seitz (President of European Site and Verbund Management, BASF)</li> <li>• Klaus Wucherer (President, IEC)</li> </ul>	Game Changer New frontiers: What is the next game changer? 새로운 개척자들: 다음 세대의 게임 체인지는 누구인가? <ul style="list-style-type: none"> <li>• José Maria Botelho de Vasconcelos* (Minister of Petroleum, Angola)</li> <li>• Ross Hunter (Global Oil and Gas Leader, PwC)</li> <li>• Sandor Liive (CEO &amp; Chairman, Eesti Energia)</li> <li>• Emilio Lozoya Austin (DG, Pemex)</li> <li>• Adil Toubia (CEO of Oil and Gas Division, Siemens)</li> <li>• Osamu Watanabe (President &amp; CEO, JAPX)</li> </ul>	Game Changer Energy-water-food nexus 에너지-물-식량 넥서스 <ul style="list-style-type: none"> <li>• Manish Bapna (EVP &amp; MD, WRI)</li> <li>• Michael Fredskov Christiansen (Asia Regional President &amp; VP, Novozymes)</li> <li>• Jason Drew (CEO, AgriProtein)</li> <li>• Nebojsa Nakicenovic (Deputy Director &amp; Deputy CEO, IIASA)</li> <li>• Osamu Watanabe (President &amp; CEO, JAPX)</li> </ul>	Game Changer Smart grid: Energizing social innovation 사회 혁신을 가속화하는 스마트 그리드 <ul style="list-style-type: none"> <li>• Ronnie Belmans (ED, Global Smart Grid Federation)</li> <li>• Choi, In-gyu (EVP, KEPCO)</li> <li>• Matteo Codazzi (CEO, CESI)</li> <li>• Greg Scheu (EVP, ABB)</li> <li>• Michael Valocchi (Industry Leader, Global Energy and Utilities, IBM)</li> </ul>
	Bottom Line World coal outlook: Innovations for tomorrow's energy 전세계 석탄 전망: 미래 에너지원을 위한 혁신 <ul style="list-style-type: none"> <li>• Konstantin Alexeev (Director of the Department of Coal and Peat Industry, Ministry of Energy, Russia)</li> <li>• Giles Dickson (VP, Environmental Policies and Global Advocacy, Alstom)</li> <li>• William Durbin (President of Global Markets Research, Wood Mackenzie)</li> <li>• Qi, Hegang* (Deputy CEO, China Coal Energy)</li> <li>• Hans-Wilhelm Schiffer (Executive Vice Chair of World Energy Scenarios, WEC)</li> </ul>	Bottom Line The untapped hydro potential: Opportunities and risks 개발되지 않은 수력발전의 잠재성: 기회와 위험요소 <ul style="list-style-type: none"> <li>• Cao, Guangjing* (CEO, China Three Gorges Corporation)</li> <li>• Alessandro Clerici (Executive Chair of World Energy Resources, WEC)</li> <li>• Evgeny Dod (Chairman, RusHydro)</li> <li>• Bruno Kapanji Kalala* (Minister of Hydraulic Resources and Electricity, DR Congo)</li> <li>• Richard Taylor (ED, IHA)</li> </ul>	Bottom Line Two years after Fukushima: Is nuclear renaissance over? 후쿠시마, 그 후 2 년: 원자력 산업 전성기는 이제 끝인가? <ul style="list-style-type: none"> <li>• Mohamed Al Hammadi (CEO, ENEC)</li> <li>• Samir Brikho (CEO, AMEC)</li> <li>• Luis Echavarri (DG, OECD Nuclear Energy Agency)</li> <li>• Luc Oursel (CEO, Areva)</li> <li>• Danny Roderick (CEO, Westinghouse)</li> <li>• Wang, Binghua (Chairman, SNPTC)</li> </ul>	Bottom Line Energy efficiency: How to fulfil the potential 에너지 효율성: 가능성을 현실로 만들기 위한 방법 <ul style="list-style-type: none"> <li>• Bruno Lechevin (President, ADEME)</li> <li>• Tadj Oreszczyn (Director, UCL Energy Institute)</li> <li>• B. P. Rao (Chairman &amp; MD, BHEL)</li> <li>• Mike Underhill (CEO, EECA)</li> </ul>
	What Does It Take? Transition a country in a decade 10 년안에 일어난 국가적 전환 <ul style="list-style-type: none"> <li>• Leonhard Birnbaum (Member of the Executive Board, E.ON)</li> <li>• Han, Wenke (DG, ERI)</li> <li>• Norbert Schwieters (Global Energy, Utilities and Mining Leader, PwC)</li> <li>• Makoto Yagi (President, Kansai Electric Power Co; Chairman, FEPC)</li> </ul>	What Does It Take? Financing energy: Managing risks and complexity 에너지 자금지원: 리스크 및 복잡성 관리 <ul style="list-style-type: none"> <li>• Michael Eckhart (MD, Citi Corporate and Investment Banking)</li> <li>• Andre Laboul* (Head of Financial Affairs Division, OECD)</li> <li>• Mark Robson (Partner, Oliver Wyman)</li> </ul>	What Does It Take? Oil price discovery: The impact of emerging regional energy markets 유가의 발견: 신흥에너지 시장의 영향력 <ul style="list-style-type: none"> <li>• Chu, Juehai (EVP, SHFE)</li> <li>• Bill Farren-Price (CEO, Petroleum Policy Intelligence)</li> <li>• Aldo Flores-Quiroga (SG, IEF)</li> <li>• Edward Morse (Global Head of Commodities Research, Citigroup)</li> <li>• Yasser Mufti (Chairman, OPEC)</li> </ul>	What Does It Take? Energy access: Steps to progress 에너지 접근성: 진전을 위해 필요한 절차 <ul style="list-style-type: none"> <li>• Christine Eibs Singer (Co-founder, E+CO)</li> <li>• Onkokame Kitso Mokaila* (Minister of Minerals, Energy and Water Resources, Botswana)</li> <li>• Jophat Muzilikazi (CEO, Rural Electrification Agency)</li> <li>• Sanjit Bunker Roy (Founder, Barefoot College)</li> <li>• Simon Trace (CEO, Practical Action)</li> </ul>
	What Does It Take? Fusion: Betting on a different future? 핵융합: 새로운 차원의 미래에 대한 승부수? <ul style="list-style-type: none"> <li>• Lee, Gyung-Su (Research Fellow, NFRI)</li> <li>• Osamu Motojima (DG, ITER)</li> <li>• Minh Quang Tran (DG of Centre for Plasma Physics, EPFL)</li> </ul>	What Does It Take? Innovative market designs 혁신적 시장 디자인 <ul style="list-style-type: none"> <li>• Dan Arvizu (Director, NREL)</li> <li>• Colin Calder (CEO, PassivSystems)</li> <li>• Philippe Gerbert (Partner &amp; MD, Boston Consulting Group)</li> <li>• Hans Schweickhardt (Chairman, Alpiq)</li> </ul>	Regional Crossroads Europe's different agendas: Steps to an effective European energy market integration 유럽의 각기 다른 아젠다: 효과적인 에너지 시장 통합으로 가는 단계 <ul style="list-style-type: none"> <li>• Klaus-Dieter Barbknecht (Member of the Executive Board, VNG)</li> <li>• Jean-Francois Cirelli (Vice Chairman &amp; President, GDF Suez; President, Eurogas)</li> <li>• Tomasz Tomczykiewicz* (Secretary of State, Ministry of Economy, Poland)</li> </ul>	What Does It Take? Renewables: Making business case for distributed energy 재생에너지: 분산형 에너지 사업의 해법 <ul style="list-style-type: none"> <li>• Noureddine Boutarfa (CEO, Sonelgaz)</li> <li>• Pierre El Khoury (Acting PM, Lebanese Centre for Energy Conservation)</li> <li>• Lan, Xue* (Prof &amp; Dean, Tsinghua University)</li> <li>• Vijay Modi (Prof. Engineering, Columbia University)</li> <li>• Kenji Yamaji (DG, RTE)</li> </ul>



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	<div>Regional Crossroads</div> <div>New dynamics of Asian LNG markets 아시아 LNG 시장의 새로운 역동성</div> <div><ul style="list-style-type: none"><li>Peter Coleman (CEO, Woodside)</li><li>Richard Guerrant (Global Vice President for LNG, ExxonMobil)</li><li>Tatiana Mitrova (Head of Oil and Gas Dept., ERI RAS)</li><li>Sam Muraki (EVP, Tokyo Gas)</li><li>Manuel Pangilinan (Chairman, Meralco)</li><li>Don Walette (EVP, ConocoPhillips)</li></ul></div>	<div>Regional Crossroads</div> <div>North America: Energy self-sufficiency by 2025? 북미: 2025년까지 에너지 자급자족이 가능할 것인가?</div> <div><ul style="list-style-type: none"><li>Osmar Abib (Global Head of Oil &amp; Gas, Credit Suisse)</li><li>Ken Hughes (Energy Minister of Alberta, Canada)</li><li>Mike MacSween (EVP, Suncor Energy)</li><li>Barry Worthington (ED, USEA)</li></ul></div>	<div>Regional Crossroads</div> <div>Focus Russia: Key policy innovations and international cooperation in a transformed energy world 러시아 포커스: 변화된 에너지 환경, 주요 정책 혁신과 국제 협력</div> <div><ul style="list-style-type: none"><li>Ivan Grachov (Chairman of the Committee for Energy, Russian State Duma, Federal Assembly, Russia)</li><li>Alexander Novak (Minister of Energy, Russia)</li></ul></div>	<div>Regional Crossroads</div> <div>An energy infrastructure road map for Africa 아프리카를 위한 에너지 인프라 로드맵</div> <div><ul style="list-style-type: none"><li>Basile Atangana Kouna* (Minister of Water Resources and Energy, Cameroon)</li><li>Hussein Elhag* (ED, AFREC)</li><li>Ibrahim Assane Mayaki (CEO, NEPAD Agency)</li><li>Abel Didier Tella (CEO, APUA)</li></ul></div>
13.00-14.15	오찬			
14.15-15.30	<div>Game Changer</div> <div>CCUS (Carbon Capture, Utilization and Storage): Making a difference in time? CCUS(탄소 포집, 활용 및 저장): 조만간 차이를 발생시킬 수 있을까?</div> <div><ul style="list-style-type: none"><li>Lewis Gillies (CEO, 2Co Energy)</li><li>Peter Oosterveer (President of Chemicals, Fluor)</li><li>Brad Page (CEO, Global CCS Institute)</li><li>Oskar Sigvaldason (Founder &amp; President, SCMS)</li><li>Tony Van Osselaer (CTO, Bayer Material Science)</li><li>Rob Whitney (Executive Chair of World Energy Scenarios, WEC)</li></ul></div>	<div>Game Changer</div> <div>Natural gas markets and geopolitics: A map in transition 천연가스 시장과 지정학: 전환기의 지도</div> <div><ul style="list-style-type: none"><li>Jean-Marie Dauger (SEVP, GDF Suez)</li><li>Russel Girling (CEO, TransCanada)</li><li>Martin Houston (COO, BG Group)</li><li>Alexander Medvedev (Deputy Chairman, Gazprom)</li><li>Alastair Newton (Senior Political Analyst, Nomura)</li><li>Abdelhamid Zerguine (President DG, Sonatrach)</li></ul></div>	<div>Game Changer</div> <div>Climate negotiations: How to bridge the three gaps? 기후 협상: 세 가지 간극을 좁히는 방법</div> <div><ul style="list-style-type: none"><li>Christiana Figueres* (ES, UNFCCC)</li><li>Hardiv Situmeang (Chair of Indonesian National Member Committee, WEC)</li><li>Adriana Soto* (Deputy Minister of Environment, Colombia)</li></ul></div>	<div>Game Changer</div> <div>Creating Utilities 2.0: New business models for smart energy 전력 2.0 시대 창조: 스마트 에너지 비즈니스 모델</div> <div><ul style="list-style-type: none"><li>Colin Calder (CEO, PassivSystems)</li><li>Charles-Emmanuel Chosson (Partner &amp; Global Assurance Power and Utilities Leader, EY)</li><li>Michael Howard (President &amp; CEO, EPRI)</li><li>Brighton Muzondo* (CEO, Econet Energy)</li></ul></div>
	<div>Bottom Line</div> <div>Renewables: Is the honeymoon over? 재생에너지: 허니문 기간은 끝났나?</div> <div><ul style="list-style-type: none"><li>Adnan Amin (DG, IRENA)</li><li>Mathew Brett (SVP, Bright Source)</li><li>Philippe Joubert (Executive Chair of GEI, WEC)</li><li>Jeremy Leggett (Founder &amp; Chairman, SolarCentury and SolarAid)</li><li>Fintan Slye (CEO, EirGrid)</li></ul></div>	<div>Bottom Line</div> <div>The rise of NOCs and Independents: More of the same or changing the game? 국영석유회사와 독립업체의 등장: 기존의 것과 다를 바 없을 것인가, 새로운 게임 체인자가 될 것인가?</div> <div><ul style="list-style-type: none"><li>Tony Hayward (ED &amp; CEO, Genel Energy; Interim Chairman, GlencoreXstrata)</li><li>Gary King (President, Tarka Resources)</li><li>Robinson West (Chairman &amp; CEO, PFC Energy)</li></ul></div>	<div>Bottom Line</div> <div>Biofuel: Beyond fuel in the tank 바이오 연료: 탱크 안 연료를 넘어서</div> <div><ul style="list-style-type: none"><li>Paduka Syed Isa Syed Alwi (Founder &amp; CEO, Algaetech Group)</li><li>Samantha Smith (Leader of Global Climate and Energy Initiative, WWF)</li><li>Luis Zubizarreta* (President, Argentine Biofuels Chamber)</li></ul></div>	<div>Bottom Line</div> <div>Waste to energy: Valuing the dirty job 폐기물의 에너지화: 폐기물을 다루는 지저분한 일에도 가치</div> <div><ul style="list-style-type: none"><li>Kim, Bum-il (Mayor of Daegu, Korea)</li><li>Mikael Rüdinger (President &amp; CEO, BNL Clean Energy)</li><li>Gary Shepherd (MD, Gradsol)</li><li>G. Scott Stallard (VP, Black &amp; Veatch)</li></ul></div>
	<div>What Does It Take?</div> <div>Future of transport: Decarbonizing growth 미래 교통: 탈탄소 성장</div> <div><ul style="list-style-type: none"><li>Olivier Appert (Chairman &amp; CEO, IFP)</li><li>Jerome Ferrier (President, IGU)</li><li>Andreas Schaefer (Professor in Energy and Transport, UCL Energy Institute)</li></ul></div>	<div>What Does It Take?</div> <div>Is development finance delivering inclusive green growth? 개발 금융은 포괄적인 녹색 성장을 가져오고 있는가?</div> <div><ul style="list-style-type: none"><li>Nelson Fontes Siffert Filho* (MD of Infrastructure Division, BNDES)</li><li>Lin, Boqiang (Director of CCEER, Xiamen University)</li><li>Birama Sidibe (VP, Islamic Development Bank)</li></ul></div>	<div>What Does It Take?</div> <div>Effective international governance on nuclear 원자력에 대한 효과적인 국제 거버넌스</div> <div><ul style="list-style-type: none"><li>Yukiya Amano (DG, IAEA)</li><li>Hervé Machenaud (Group SEVP, EdF)</li><li>Agneta Rising* (DG, World Nuclear Association)</li></ul></div>	<div>What Does It Take?</div> <div>Mega projects: Socio-environmental license to operate 메가 프로젝트: 사회환경적 운영면허</div> <div><ul style="list-style-type: none"><li>John Deal (ED &amp; CEO, IX Power)</li><li>Javier Gutiérrez (President, Ecopetrol)</li><li>Pierce Riemer (DG, WPC)</li></ul></div>
	<div>What does it take?</div> <div>Stalled international energy governance 지지부진한 국제 에너지 거버넌스</div> <div><ul style="list-style-type: none"><li>Pierre Gadonneix (Chair, WEC; Honorary Chairman, EdF)</li><li>Yang, Yufeng (Deputy Director of Energy System Analysis Center, ERI)</li></ul></div>	<div>Regional Crossroads</div> <div>Eurasia: Partnerships to unlock its full potential 유라시아: 잠재력을 완전히 끌어내기 위해 필요한 파트너십</div> <div><ul style="list-style-type: none"><li>Oleg Aksyutin (Member of the Management Committee, Gazprom)</li><li>Selahattin Hakman (Group President Energy, Sabanci)</li><li>Timur Kulibayev* (Chairman, KazEnergy)</li></ul></div>	<div>What Does It Take?</div> <div>National energy policy: Achieving a triple 'A' score 국가 에너지 정책: 트리플 A 획득</div> <div><ul style="list-style-type: none"><li>Montek Ahluwalia* (Deputy Chairman of Planning Commission, India)</li><li>Christine Loh (Secretary for the Environment, HK)</li><li>Joan MacNaughton, CB (Executive Chair of World Energy Trilemma, WEC)</li></ul></div>	<div>Regional Crossroads</div> <div>Driving the green trade liberalization 녹색무역의 자율화 이끌어 내기</div> <div><ul style="list-style-type: none"><li>Kadere Desire Ouedraogo* (President, ECOWAS Commission)</li><li>Tim Richards (Executive Chair of Energy-related Trade and Investment Rules, WEC)</li><li>Kandeh Yumkella (CEO of the SE4ALL Initiative, UN)</li></ul></div>
	<div>Regional Crossroads</div> <div>Latin America and the Caribbean: Blessed with resources, overwhelmed by choice? 중남미와 카리브 해: 자원의 축복을 받은, 선택에 압도된 지역?</div> <div><ul style="list-style-type: none"><li>Ruben Jimenez Bichara* (EVP, CDEEE)</li><li>Jorge Ferioli (Chair, Argentine National Member Committee, WEC)</li><li>José Antonio Vargas Lleras (Vice Chair of Latin America and the Caribbean, WEC; President, CODENSA)</li></ul></div>	<div>Regional Crossroads</div> <div>Far Eastern super-grid 극동지역의 슈퍼 그리드</div> <div><ul style="list-style-type: none"><li>Boris Kovalchuk* (Chairman, InterRao UES)</li><li>Moon, Bong-soo (VP, KEPCO)</li><li>Andrew Ott (EVP, PJM Interconnection)</li><li>Urban Rusnák (SG, Energy Charter)</li></ul></div>	<div>Regional Crossroads</div> <div>MENA: Serving a triple agenda - International supply, local energy growth, and need for job creation MENA: 트리플 어젠다를 위해서- 국제인 공급, 현지 에너지의 성장 그리고 일자리 창출을 위한 필요성</div> <div><ul style="list-style-type: none"><li>Hussain Al-Shahristani* (Deputy Prime Minister for Energy, Iraq)</li><li>Ali Obaid Al-Yabhouni (CEO, ADNATCO &amp; NGSCO)</li><li>John Barry (Country Chair &amp; VP, Shell Upstream International)</li></ul></div>	
		<div>Regional Crossroads</div> <div>Showcase for Asian green growth 아시아 녹색 성장을 위한 쇼케이스</div> <div><ul style="list-style-type: none"><li>Seethapathy Chander (Director General of RSDD, ADB)</li><li>Arup Roy Choudhury* (CMD, NTPC)</li><li>Noeleen Heyzer (ES, UN ESCAP)</li></ul></div>		
15.30-16.00	네트워킹 브레이크			
16.00-17.15	<div>Closing</div> <div>Tomorrow's energy: From vision to reality 미래의 에너지: 비전에서 현실로</div> <div><ul style="list-style-type: none"><li>Sultan Ahmed Al Jaber (Minister of State, UAE; MD &amp; CEO, Masdar)</li><li>Steve Bolze (President &amp; CEO of Power and Water, GE)</li><li>Thierry Vandal (President &amp; CEO, Hydro-Quebec)</li></ul></div>	<div>Closing</div> <div>Clean energy without borders 국경 없는 청정 에너지</div> <div><ul style="list-style-type: none"><li>Christiana Figueres (ES, UNFCCC)</li><li>Jim Rogers (Chairman, President &amp; CEO, Duke Energy)</li><li>Tim Richards (Executive Chair of Energy-related Trade and Investment Rules, WEC)</li><li>Jean-Pascal Tricoire (President &amp; CEO, Schneider Electric)</li></ul></div>	<div>Closing</div> <div>Ministerial dialogue: 1. Energy in transition 장관급 회담: 1. 전환기의 에너지,</div> <div><ul style="list-style-type: none"><li>Suhail Mohammed Al-Mazroue (Minister of Energy, UAE)</li><li>Jose Manuel Soria Lopez* (Minister of Industry, Energy and Tourism, Spain)</li><li>Walter Steinmann (State Secretary for Energy, Switzerland)</li></ul></div>	<div>Closing</div> <div>Today's energy: Are we at a tipping point? 오늘날의 에너지: 현재 우리는 티핑 포인트에 서 있나?</div> <div><ul style="list-style-type: none"><li>Ged Davis (CEO, Forescene SA)</li><li>Adnan Shihab-Eldin (DG, KFAS)</li><li>Leena Srivastava (ED, TERI)</li></ul></div>
17.15-18.30	<div>Closing</div> <div>Energy and climate scenarios: The business implications 에너지 &amp; 기후 시나리오: 비즈니스에 미치는 영향</div> <div><ul style="list-style-type: none"><li>Philippe Cochet (President of Thermal Power, Alstom)</li><li>Brian Dames (CEO, Eskom)</li><li>Ged Davis (CEO, Forescene SA)</li><li>Yvo de Boer (Special Global Advisor, KPMG)</li><li>Lee, Hoesung (Vice Chair, IPCC)</li><li>Karl Rose (Senior Director of Scenarios and Policies, WEC)</li></ul></div>	<div>Closing</div> <div>Special addresses 특별 연설</div> <div><ul style="list-style-type: none"><li>Liu, Zhenya (President, SGCC)</li><li>Fulvio Conti (CEO &amp; GM, Enel)</li></ul></div>	<div>Closing</div> <div>Ministerial dialogue: 2. Energy in development 장관급 회담: 2. 개발과 에너지</div> <div><ul style="list-style-type: none"><li>Saleh Alawaji (Deputy Minister for Electricity, Saudi Arabia)</li><li>Elham Mahmoud Ahmed Ibrahim (Commissioner for Infrastructure and Energy, African Union)</li><li>Federico Renjifo Vélez (Minister of Mines and Energy, Colombia)</li><li>Jero Wacik (Minister of Energy and Mineral Resources, Indonesia)</li></ul></div>	