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### EMPOWER at a Glance - World's Largest District Cooling Services Provider

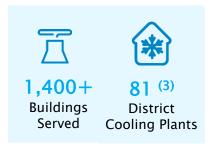
#### **Unrivalled Scale**











#### **ESG** Highlights











### Superior Operational and Financial Profile











Sources: Company information, Government of Dubai. Notes: (1) 80% by year end 2022, subject to concluding Dubai Airport district cooling assets transaction; 79% as of Dec-2021. (2) Connected capacity as of H1 2022: capacity provided to meet cooling demands depending on load density and utilisation (excluding Dubai Airport district cooling assets acquisition, transaction pending closing). (3) Number of plants by year end 2022, subject to concluding Dubai Airport district cooling assets transaction, 76 plants at present (4) By utilizing 100% renewable energy and recycled water for District Cooling. (5) Industry average. (6) Treated Sewage Effluent. (7) EMPOWER's methodology Clean Development Mechanism ("CDM"), for calculating avoided emissions, has been approved in the 92<sup>nd</sup> UN Executive Board in 2016. (8) Typical contract length. (9) Refers to connected capacity. Considers 2021A capacity of 1,368k RT and including an adjustment for c.70,000 RT of capacity from the Dubai Airport district cooling assets acquisition (Transaction pending closing). (10) Adjusted EBITDA excluding one-off items including other income, net impairment losses on financial assets and share of profit from JV. (11) L3Y stands for Last 3 Years.



### EMPOWER is the Preferred District Cooling Services Provider to the Most Iconic Symbols of Dubai

#### **Business Bay**



Business District in Dubai, considered to be a city within a city, to feature more than 240 **buildings** when fully completed

#### Palm Jumeirah<sup>(1)</sup>



Unique development shaped like a palm tree, home to some of Dubai's top luxury resorts

#### Dubai International Airport<sup>(2)</sup>



World's busiest airport by international passenger traffic (2021)

#### **Dubai International Financial Centre (DIFC)**



Special economic zone in Dubai and the largest financial centre in Middle East & Africa

#### Jumeirah Beach Group Hotels(3)



Buri Al Arab is the iconic sail-shaped Dubai hotel situated on its own island with its waveshaped adjacent resort hotel counterparties, Jumeirah Beach Hotel and Marsa Al Arab

Site Cooling Capacity ('k RT)

#### Ain Dubai & Bluewaters Island



World's biggest & tallest ferris wheel in Bluewaters Island, an artificial island with multiple real estate developments opened in 2018

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### Overview of Key Projects in Dubai with Site Capacity



















































### Globally Recognised World Class District Cooling Leader

#### Award-Winning Sustainable Cooling Champion

#### Strategic and Operational Advantage

- Efficient and cost-effective concept for cooling
- Strategic assets and asset creation framework as a growth engine of Dubai and the UAE
  - Close relationships with key stakeholders and developers in Dubai
- Best-in-class and innovative operations
  - Innovative use of Treated Sewage Effluent (TSE) with reverse osmosis
  - Commissioned LEED-certified plants
  - In-house technological capabilities with automated command control centre, and mobile maintenance team

#### **Best Cooling Solution for Customers**

- Uniform pricing policy with flexible volume agreements
- District cooling services provider of choice to key developers and iconic projects in Dubai

#### **Recent Awards & Highlights**

2022

Number of **Buildings Committed** (IDEA) (Also awarded in 2021 and 2019)



Total Building Area Committed (IDEA) (Also awarded in 2021 and 2019)



**Executive Achievement of** the Year (1) (Globee Awards)



Company of the Year<sup>(2)</sup> (Globee Awards)



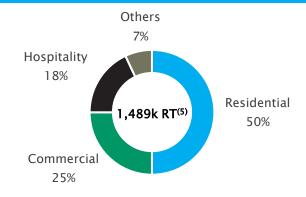
Intelligent Delta T Analyser/ Detector(3) (IDEA)



AIMS 360 (4) (IDEA)

#### **Diversified Customer Base**

#### Connected Capacity by Type, 2022E



Critical to the Functioning of Dubai with Landmark **Anchor Customers** 

















EMPOWER's strong relationships with master developers ensures a highly diversified end-user base and reflects the strength of Dubai's economic growth engine

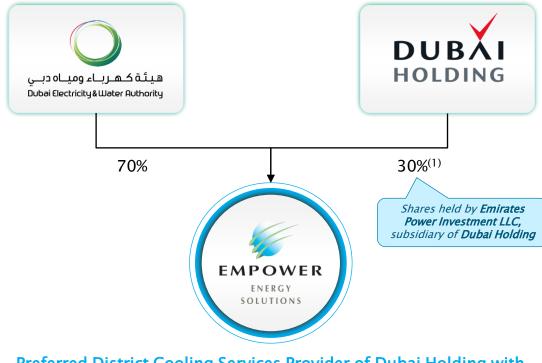
Sources: Company information, Zawya by Refinitiv. Notes: (1) Awarded to Ahmad Bin Shafar, CEO of EMPOWER, for his contribution in encouraging the region to adopt district cooling concepts. (2) Awarded in the Energy and Utilities category for the practical innovations in developing the district cooling industry in the world. (3) Received Innovation Award Honourable Mention for the "Intelligent Delta — T Analyzer & Detector" technology. (4) Received the Innovation Award for the "360° Solution for Metering Artificial Intelligence (AIMS 360). (5) Based on Company estimates for 2022E YE, considers closing of Dubai Airport district cooling assets acquisition and other additions in 2022.

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### **Backed by Leading Shareholders**

- DEWA is the exclusive provider of electricity and water in Dubai and is a secure and reliable utility provider for **EMPOWER**
- Large scale integrated corporation with best-in-class efficiency providing critical infrastructure to the **Emirate of Dubai**
- A key partner and parent to **EMPOWER** with best-in class industrial expertise, with strong utility know-how and regional track record
- Shared values with EMPOWER's way of doing business: efficient, innovative, digitalised and reliable
- A key player in achieving Dubai's energy efficiency targets



Preferred District Cooling Services Provider of Dubai Holding with Important Industrial Connections with Dubai's main utility, DEWA

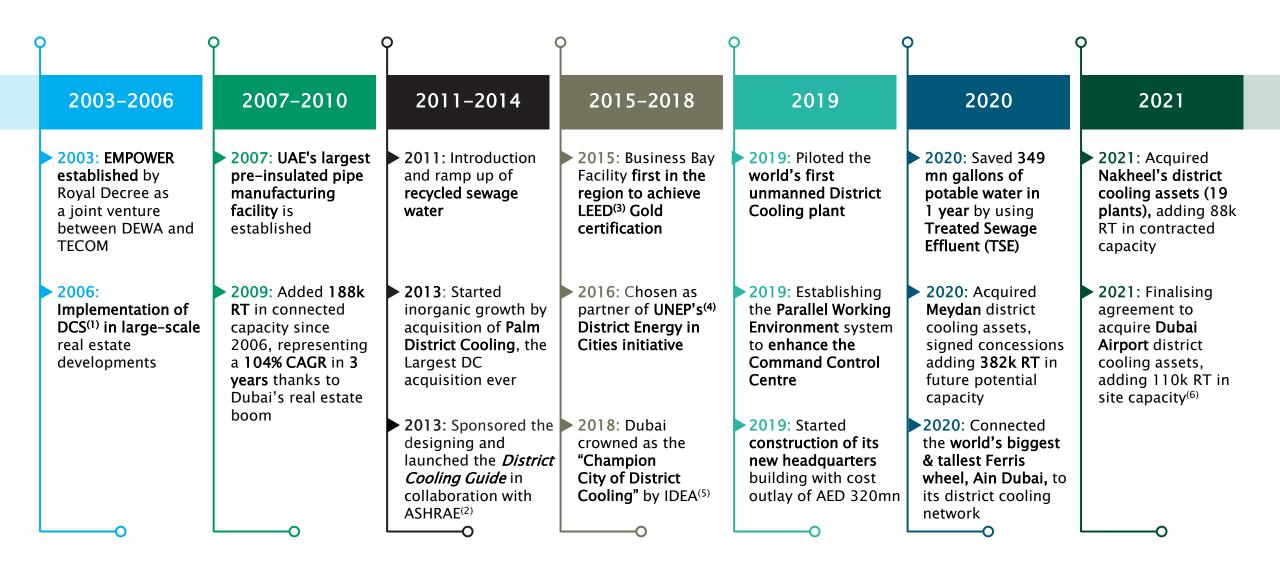


**World's Largest District Cooling Services Provider** 

- Dubai Holding ("DH") is one of the **Emirate's largest diversified** conglomerates
- The group is a strategic and financial-oriented investor and plays a crucial role in diversifying **Dubai's economy** and driving innovation and economic development
- Portfolio companies have marketleading positions across core sectors of real estate, hospitality, and entertainment
- Since its foundation, EMPOWER has been the district cooling services provider of choice for Dubai Holding's projects

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### **EMPOWER's Corporate Journey and Key Milestones**



#### **EMPOWER's Vision and Mission**



# To Be the World's Leading **District Cooling Services Provider**



# **Our Mission is**

To promote sustainable and optimized use of energy resources by delivering reliable, cost-effective and environmentally friendly world-class district cooling services to achieve customer satisfaction, thereby creating long-term shareholder value



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### EMPOWER, a Comprehensive ESG Proposition

#### 360 Degree View on Sustainability

#### **Net Zero Plants by 2050**

Carbon Neutral plants by 2050 by utilizing 100% renewable energy and recycled water

#### **Smart Cities**

Safety, improving air quality, reducing visual pollution

#### Innovation for Efficiencies

Centralised metering data management system and use of AI



#### **Preventer of GHG Emissions**

Using DC Systems, EMPOWER has been able to avoid 735k tCO2 in 2021(1)

#### **Energy, Water and Waste Efficiency Enabler**

50% less energy compared to traditional cooling solutions, reuse of water, and paperless strategy(2)

#### **Governance Practices**

Set of corporate policies, cascaded into objectives, KPIs and procedures



#### Affordable and Clean Energy

Strong contribution to SDG 7 as largest DCS provider



#### Sustainable Cities and Communities

Advisor to UN's Environment Program on its 'District Energy in Cities' global initiative



#### **Climate Action**

DC is designed to save energy, water and minimize CO2 emissions

Source: Company information.

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### Strong, Resilient, Predictable and Growing Financial Profile

Growing and Visible Revenues

- √ Fundamentally attractive and fastgrowing market
- ✓ Revenue growth supported by RT capacity additions and demand growth

**Growing EBITDA and Healthy Margins** 

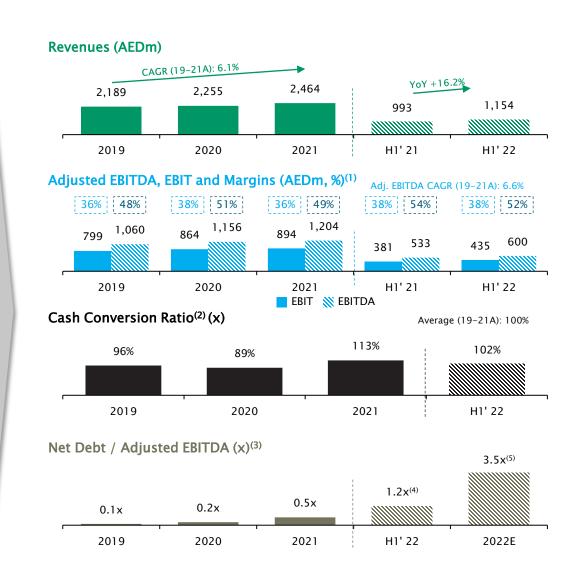
- √ High predictable and stable EBITDA and **EBIT** margins
- ✓ Proven track record of stable growth and continuous efficiency improvements

**Strong Cash Flow Generation Ability** 

4

- ✓ Resilient earnings given tariff structure and inelasticity of demand
- ✓ Diversified customer base with key anchor clients
- ✓ Long-term contracts of 25+ years including perpetual renewal clauses

- **Robust Capital Structure** and Strong Ability to Pay Dividends
- ✓ Moderate leverage profile
- ✓ Strong financial ability to fund growth and offer attractive dividends to shareholders





### **EMPOWER's Key Highlights – Fast Growing Sustainability Enabler**



Technology: EMPOWER-ing sustainable district cooling, disrupting traditional AC





Scale: Largest district cooling services provider in the world and the clear leader in Dubai





ENERGY SOLUTIONS Market: A fast-growing district cooling market with supportive government policies





ESG: Sustainability centric business model enabling Dubai's energy transition





Management & Operations: Best-in-class management and operational expertise with next-generation technology disrupting cooling





<u>Financials:</u> Resilient, predictable and growing financial profile supported by a favourable business model





Growth: Well-positioned to capture growth opportunities in the UAE and beyond







District Cooling, Disrupting Traditional AC

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### **Overview of District Cooling Technology**

at a Glance

#### Legacy Cooling Technology

**Standard Window Air Conditioning** 

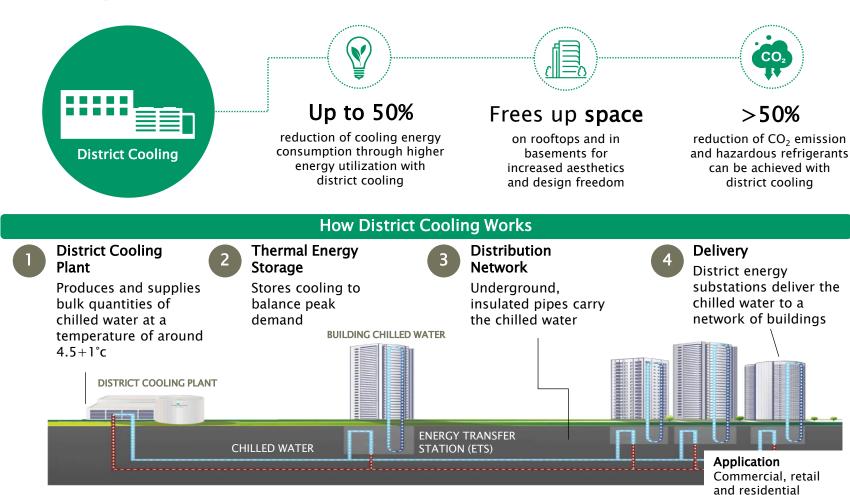


Split AC Units



**Roof Top Chillers** 





- District cooling is a future-proof system that efficiently cools buildings through centralized distribution of chilled water
- By investing in the use of district cooling, cities will become much more energy efficient and significantly reduce greenhouse gas emissions
- District Energy represents a significant opportunity for cities to be more climate resilient, resource efficient and low-carbon

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### District Cooling: The Most Sustainable, Suitable and Preferred Cooling Solution for the GCC

#### Tipping Point Megatrends Accelerating the Need for Cooling



#### District Cooling: the Sustainable Cooling Solution



Scale

#### **Higher Return on Investments**

- ✓ Lower investment costs and operating costs, using 50% less power compared to traditional AC
- ✓ **Lower deterioration** of equipment with **longer life cycle** (30–50 years) vs. traditional ACs (12-15 years)



#### **Best Suited for GCC Master Development**

- ✓ Cooling is an essential aspect of GCC real estate development given the region's hot desert climate
- ✓ Continued investments in infrastructure and increasing real estate density lead to a significant and growing amount of aggregated district cooling demand



#### Sustainable Cooling Infrastructure and Social Role

- ✓ Lower CO₂ and other pollutants emissions
- ✓ Reduction in power consumption and electricity system peak loads
- ✓ Reduces overall tariffs for final consumer.



#### **Easy Maintenance and Superior Reliability**

- ✓ Outsourcing of cooling operations allow developers to focus on their core business
- ✓ Around-the-clock and reliable (99.99%) availability

17 Source: Company information.

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### **EMPOWER's Distinctive Operating Model within District Cooling**

#### **Fully Integrated Owner and Operator**

- All of EMPOWER's plants are fully owned and operated by EMPOWER(1)
- In-house Operations & Maintenance team with dedicated operators onsite 24/7

#### Distinctive Project Development Framework

- Strong positioning in top districts in Dubai (Business Bay, DIFC, JBR, etc.)
- Exclusive rights for upcoming developments within the signed Master Developments



#### **Proven Operational Expertise and Efficiency**

- 100% smart metering across all of its projects
- Leveraging thermal energy storage systems (TES) and TSE(2) to reduce water consumption

Industry Benchmark for Low-Cost Base and **Efficient Investment Deployment** 

- Modular asset strategy, spreading capex over future years in line with project's requirements
- Reduced cost base vs. competitors and vs. other cooling alternatives

#### **Advanced Digitalization Capabilities**

- All plants are integrated with local SCADA systems, enabling auto mode operation
- Full integration via CCC<sup>(3)</sup> and PWE<sup>(4)</sup> enabling remote operation of the plants under lockdowns

#### Relationships With Tier 1 Master Developers

 Long-term contracts (25+years) with top institutions in Dubai



International Financial













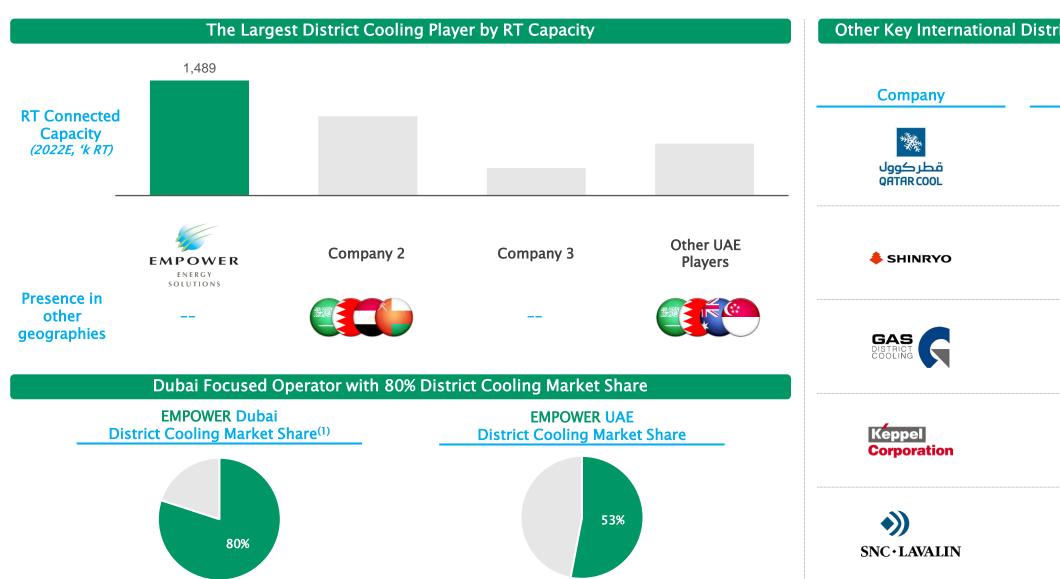
EMPOWER differentiates itself from its competitors by leveraging its scale, integrated business model, in-house expertise, preferred contracts and operational capabilities to serve as the preferred district cooling provider for Tier 1 Master Developers within the Emirate of Dubai



M&O



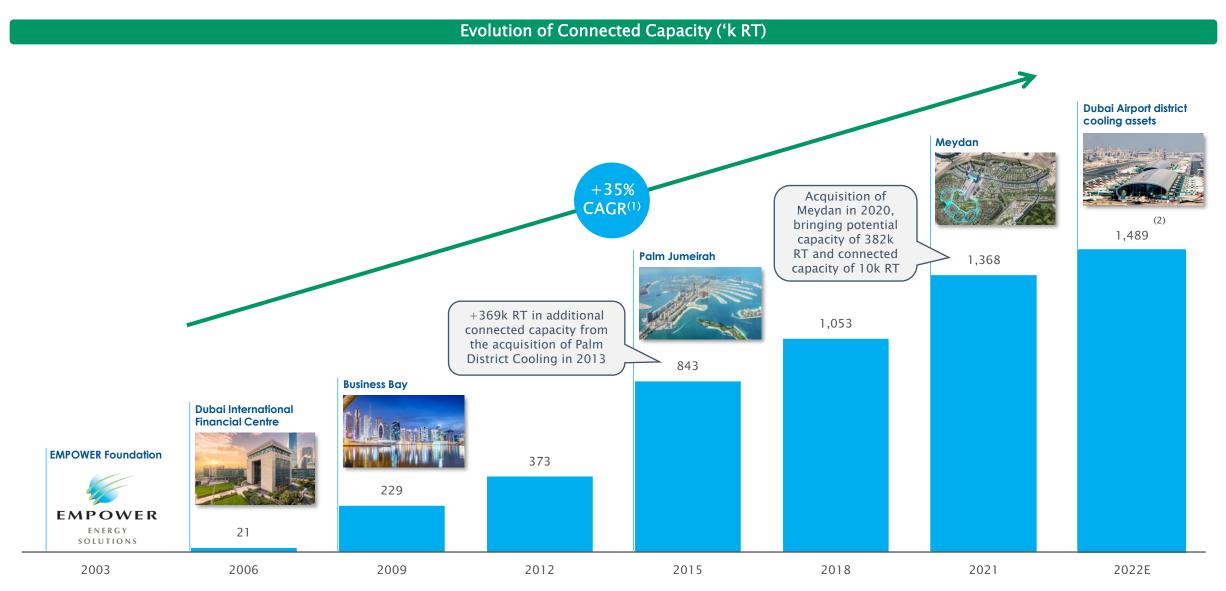
### EMPOWER: The Largest District Cooling Platform in the UAE and Globally





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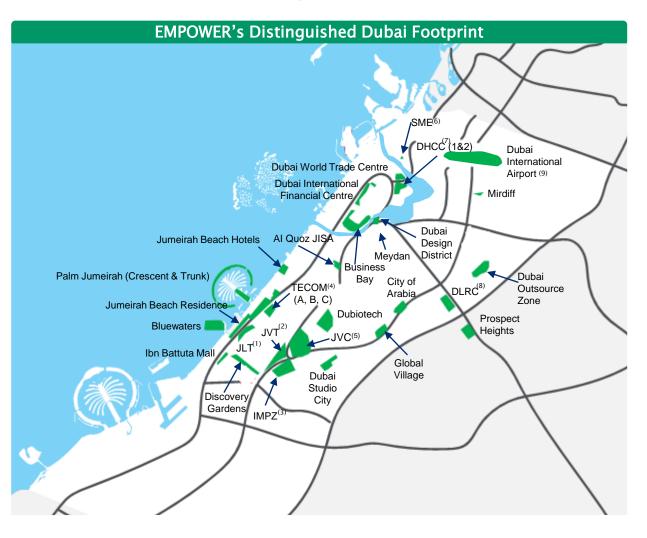
### Long-Standing Track Record of Expanding to New Projects and Achieving Growth



Current Projects

Scale

### Preferred District Cooling Services Provider to Dubai's Iconic and Landmark Projects



Main Roads

#### Landmark Projects with Worldwide Recognition



**Business Bay** c.342k RT

- The project began in 2009 and consists of six cooling plants
- The world's largest urban district cooling project covering one of Dubai's busiest business centres



Meydan c. 382k RT

- Construction began in 2010 and is still ongoing
- Has been designed to become an urban, vibrant, and mixed-use district that incorporates hotels, a water park and the longest indoor ski slope in the world



Jumeirah Village South c.256k RT

- The project began in 2017 and consists of four cooling plants with first plant commissioned by **EMPOWER**
- Family-friendly community and the most soughtafter option for affordable housing in Dubai



Palm Jumeirah c.225k RT

- Construction began in 2006 and consists of six cooling plants
- Unique development shaped like a palm tree which is visible from the moon, home to some of Dubai's top **luxury resorts**



### Large and Diversified Customer Base with 110k+ End-Users

#### **Diversified Customer Base...**

- ✓ Provider of cooling solutions to critical infrastructure services in Dubai
- ✓ EMPOWER provides cooling services to all aspects of Dubai's economy including residential, hospitality, commercial and healthcare buildings
- ✓ Serving more than 1,400 buildings in Dubai
- ✓ Preferred district cooling services provider for Dubai's most iconic projects with the ability to cater to varied project types and customers

#### Split by Number of Buildings Served (2021)



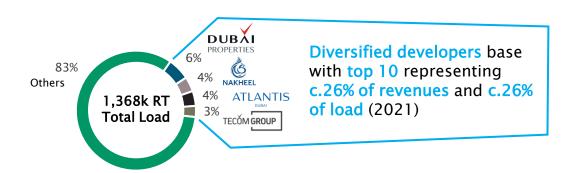
- ✓ Residential corresponds to great majority of buildings served (64%)
- ✓ Provider to more than 17% of Dubai's hotel buildings

#### ... Underpinned by Captive Demand

Financials

- ✓ Established relationships with Dubai's developers, making EMPOWER the preferred district cooling services provider to their developments
- ✓ Strong and stable relationships with renowned master developers
- √ Robust and exclusive agreements ensure revenues are contracted and visible in the long-run
- Ensures ongoing business and potential expansions from the completed projects

#### **Total Load Split per Developer (2021)**



Source: Company information.





3. Market: A Fast-Growing District Cooling Market with Supportive Government Policies



### Solid Macroeconomic Fundamentals for District Cooling in Dubai

#### **Dubai Resilient Economic Growth**

· Resilient and healthy economy with one of the fastest-growing economies in the region

#### **Healthy Dubai Demographic Profile**

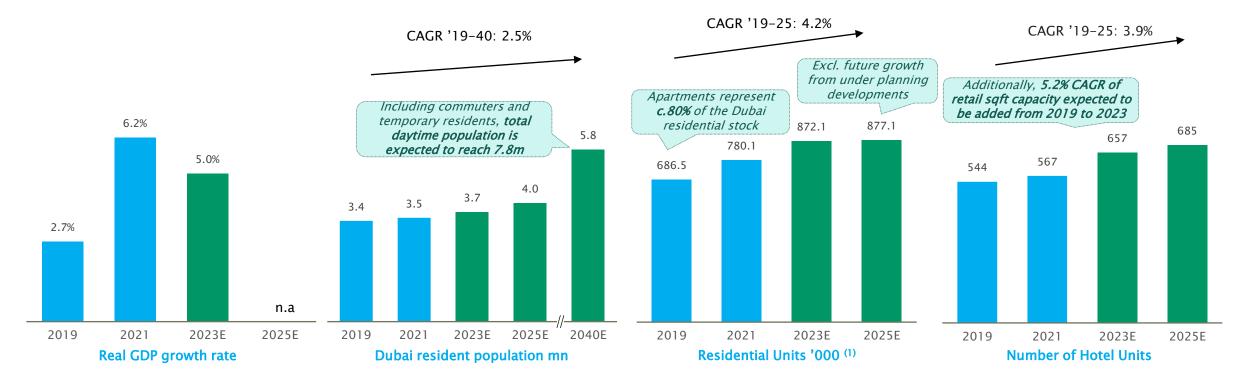
 Growing population, continuous expat inflows and increasing number of households

#### Strong Growth in Dubai Residential **Real Estate Supply**

- Expanding residential real estate economy is a key source of district cooling demand
- · High density residential units (e.g. apartments) in Dubai favour district cooling adoption

#### **Booming Hotel Capacity** in Dubai

- EMPOWER serves 17% of Dubai's hotel buildings
- Growing hospitality industry in Dubai, with fast-recovering occupancy rates and >25 new hotels anticipated during 2023E-2025E



Sources: Dubai Statistics Center, FTI Market Report, EIU, World Bank - Climate Change Knowledge Portal, Jones Lang LaSalle, Value Strat and Knight Frank 2021 Dubai Real Estate Reports. Notes: (1) historical data includes rural and urban housing units based on Dubai Statistics Center report. Forecasted years include incremental additions based on units currently under construction and expected to be launched by 2025 as per Knight Franck data. Excludes any projects under planning and development



### Dubai: An Attractive and Desirable Destination for Tourists and Expats

#### Dubai is Taking Active Steps to Attract Tourists and Residents



**#1 Busiest airport in the world by number of international passengers** (2014–2021 consecutive years)



Creation of **several visa and residency schemes** (golden visas, retirees, remote workers etc.)



1st City in the world to reopen its borders to international travelers in December 2020 (6 weeks lock down only)



100% vaccination rate<sup>(1)</sup> vs 61% globally with Dubai ranking 2<sup>nd</sup> place for handling the COVID-19 pandemic(2)



Dubai is the #3 most preferred city to move globally(3)



#1 Travel destination for 2022



**Dubai 2040** Urban Master Plan transforming the Emirate into 5 Interconnected Urban Centres and Boosting Local Population

#### Impressive Roster of Events and Governmental Initiatives

Dubai plans to host 400 global events per annum by 2025







#### Numerous Governmental Initiatives to Foster Growth Drivers



DUBAI10X

**Dubai Clean Energy Strategy** 



### Significant Dubai Initiatives to Foster Growth and Accelerate Energy Transition

#### Dubai 2040 Urban Master Plan

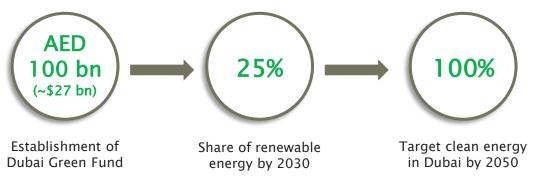


 Launched in March 2021 promoting the sustainable development of Dubai 2040 CHA

- Make the Emirate the **best city to live in the future**:
  - ✓ Development of 5 major urban areas of Dubai
  - ✓ Natural reserves up to 60% of Dubai's land areas
  - Land area for hotels and tourism to increase by 134%
  - ✓ Residents and daytime population to increase to 5.8 mn and 7.8 mn respectively by 2040
  - Facilitate non-automotive means of transportation

#### **Dubai Clean Energy Strategy 2050 Highlights**

Transforming Dubai into a carbon neutral economy by 2050



#### Dubai, A Proactive Partner in the Global Sustainability and Diplomatic Agenda





Mena Climate Week Dubai 2022 Part of UN Regional Climate Weeks, first ever MENA

WETEX & Dubai Solar Show 2022 DUBAI SOLAR Aims to achieve integration across sectors of the energy industry



COP 28(4) 28th Conference of the Parties (COP 28) to the UN Framework Convention on Climate Change

**Enablers Supporting Green Growth** 



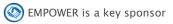
Climate Week

القمة العالمية للاقتصاد الأخضر WORLD GREEN ECONOMY SUMMIT





WORLD GREEN ECONOMY **ORGANIZATION** 

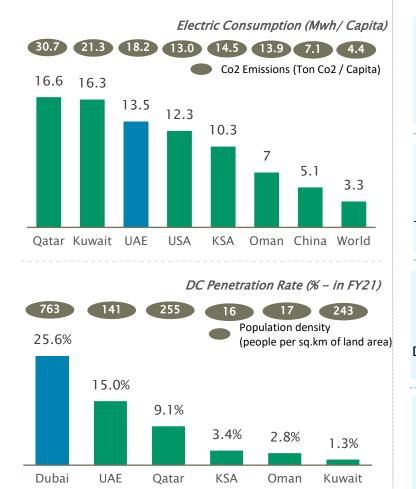




### District Cooling: A Primordial Utility in the Region...

#### **Fundamental Drivers to DC Adoption**

- Year-round warm and humid climate results in GCC countries being highly reliant on cooling solutions
- Cooling is estimated to account for 60% to 70% of peak electricity load
- Dubai's government set target of 30% reduction in energy demand by 2030
- Efforts to improve energy efficiency and reduce Co2 emissions make district cooling the most economically viable and sustainable solution
- Dubai's population density set to continue rising given regional ambitions and accelerated master planning development



#### Economic, Social and Environmental Benefits of District Cooling



Dubai Contracted Capacity (1)



Thermal energy storage facilities owned by Dubai operators (2)



**Dubai Cooling Water coming from** recycled water (1)

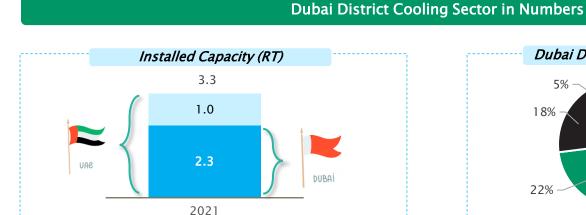


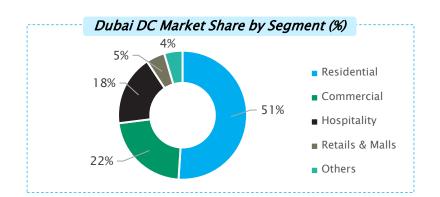
- District cooling saves up to c.50% energy compared to conventional cooling
- Est. c.50% reduction in Co2 emissions versus traditional cooling
- Strong governmental push via the RSB and the creation of regulatory regime to empower the use of district cooling services
- Allows use of recycled water and treated sewage effluent (TSE) which are cost-efficient and more ecological (subject to availability)
- Additional comfort by using industrial-grade equipment lowering visual and noise pollution
- **Highly reliable system** with reliability rates above 99.99%
- Allows scalability to implement new advanced technologies such as thermal energy storage (TES). treated sewage effluent (TSE)
- Use of TES reduces pressure on state-grid and peak load

ESG

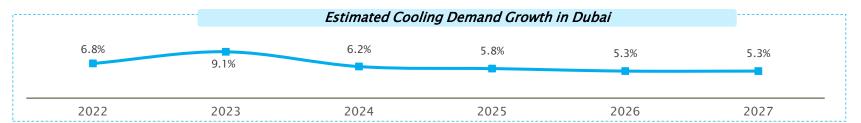


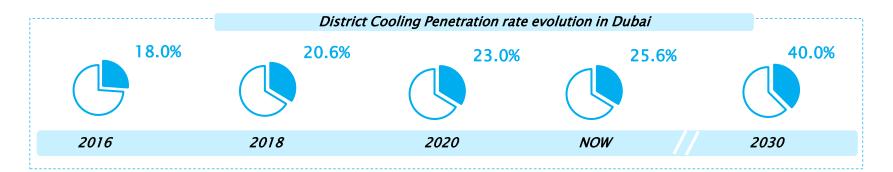
### ...Set for an Unprecedented Growth Outlook





Scale





- Dubai: one of the largest global markets for district cooling targeting 40% penetration by 2030
- ✓ A total of 844k RT of connected capacity to come on the Dubai market over the next 6 years
- ✓ UAE district cooling demand growing at high-single digits with major district cooling capacity increases expected
- √ Favourable technology for district cooling supports increasing penetration rates

Despite expected growth in cooling capacity, the market should remain underpenetrated, allowing for further industry growth

Well

**Established** 

**Authorities** 

**Supportive** 

and Visionary

Leadership



### Supportive Government Policy Towards District Cooling

#### Dubai Demand Side Management ("DSM") 2030

- ✓ District cooling is one of the key 11 pillars of the "Dubai Integrated Energy Strategy 2030" and "Demand Side Management 2030" issued in 2011
- ✓ Aim at building a green economy in the UAE and transform Dubai into a global centre for clean energy
- √ Targets set at 30% savings in electricity and water by 2030<sup>(2)</sup>
- ✓ DC is expected to contribute c. 13% towards the DSM 2030 target in electricity savings
- ✓ For FY21 use of efficient cooling already generated electricity savings above target by 41%



#### Targeted electricity savings from DSM Programmes (TWh) (7.9) **ESMA** Standards & (3.1)Green Building (2.6)Regulations **Efficient** (2.2)Tariffs (0.9)(0.2)(19.2)**Total DSM** Shams Outdoor

### **Regulations and Implementations**

RSB FOR ELECTRICITY & WATER

The RSB is the regulator in charge of developing regulatory regime, extending DC Services & Billing licenses and permits in Dubai (1)

Growth

The SCE is the ultimate approval authority (1)



"...we developed a strategy to organise Dubai's districtcooling sector. This aims to improve the performance of operations, and enhance the amount of investments from 20% to 40% by 2030"

> Saeed Mohammed Al Tayer Vice chairman of the Supreme Council of Energy



Since 2008, the Dubai Government mandated the use of thermal storage tanks for any DC plant > 10kRT capacity

At the beacon of innovation

Executive order encouraging the use of TSE water or seawater

Dubai has been named "Champion City" for its district cooling projects by the District Energy in Cities Initiative from the UN Environment Programme (UNEP)

District cooling and the sustainable development of Dubai go hand-in-hand



4. ESG: Sustainability Centric Business Model Enabling Dubai's Energy Transition

Market



### EMPOWER Contribution to a Sustainable Net-Zero Future in the UAE

#### The Region's Ambitious Sustainability Strategy



100% Net Zero by 2050



30% annual savings in Electricity by  $2030^{(8)}$ 

30% annual savings in Water by 2030<sup>(8)</sup>

To reduce the current energy consumption for cooling (c.70%(1)), Dubai targets to cover 40% of cooling demand with District Cooling by 2030

#### Dubai's DSM Strategy progress in 2021



6.4 bn kWh

Compared to traditional cooling, EMPOWER estimates electricity saving of c.1.7 bn kWh in 2021<sup>(3)</sup>

#### EMPOWER Supports Dubai's Demand Side Management Strategy (DSM)

EMPOWER is contributing to multiple pillars(6) of DSM to make Dubai a Role Model in Energy and Water Efficiency



#### **Building Retrofits**

Enable increased energy efficiency in existing buildings





#### **Efficient Cooling**

District cooling is key transition technology for the region



Pillar 6

#### **Consumer Behaviour**

Encourages responsible energy consumption to its consumers



Pillar 9

**Recycled & Ground Water Demand Management** 

Increased TSE usage



Sources: Company information. Supreme Council of Energy. UNEP

Notes: (1) In Dubai air conditioning represents over 70 per cent of electricity consumption. (2) By the end of 2021, the DSM Strategy implementation resulted in 6.4 bn kWh of annual electricity savings compared to businessas-usual consumption, which is the reference for the 30% by 2030 targets. (3) Calculations based on UN "Clean Development Mechanism" (CDM) methodology; Assuming conventional cooling electrical efficiency of 1.7 kW/ton and achieved DC efficiency of 0.9 kW/ton by EMPOWER in 2021. (4) Selected example. (5) Transaction pending closing. (6) Dubai's DSM plan consist of eleven pillars/programmes. Four of these are shown on this page. (7) JBR 32 refers to Jumeirah Beach Residence. (8) Against BAU

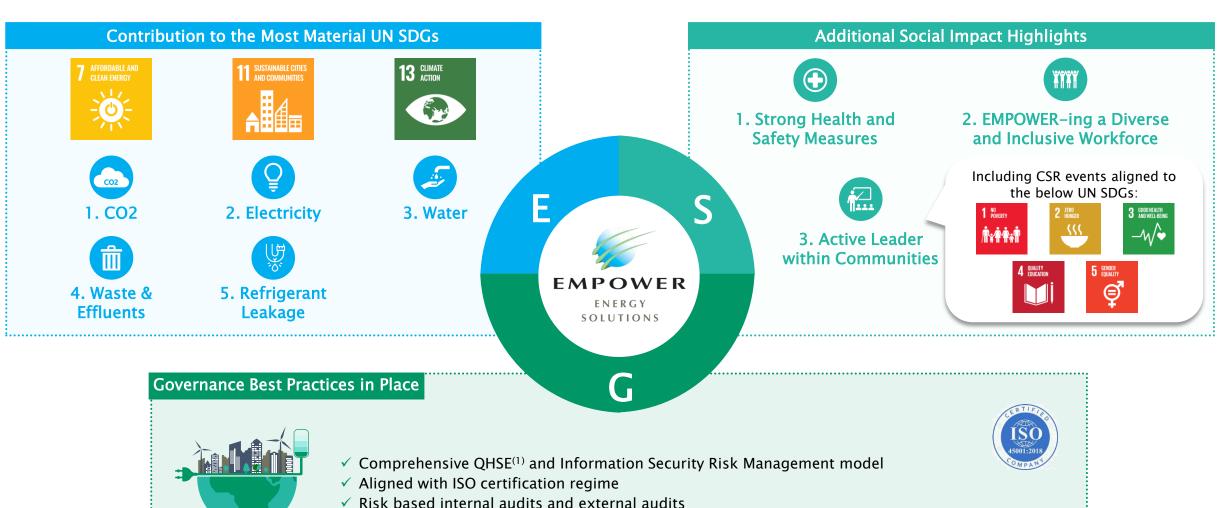
Information security steering committees)

✓ Management committees & sub-committees (Finance & Audit Committee, Technical Committee and

M&O

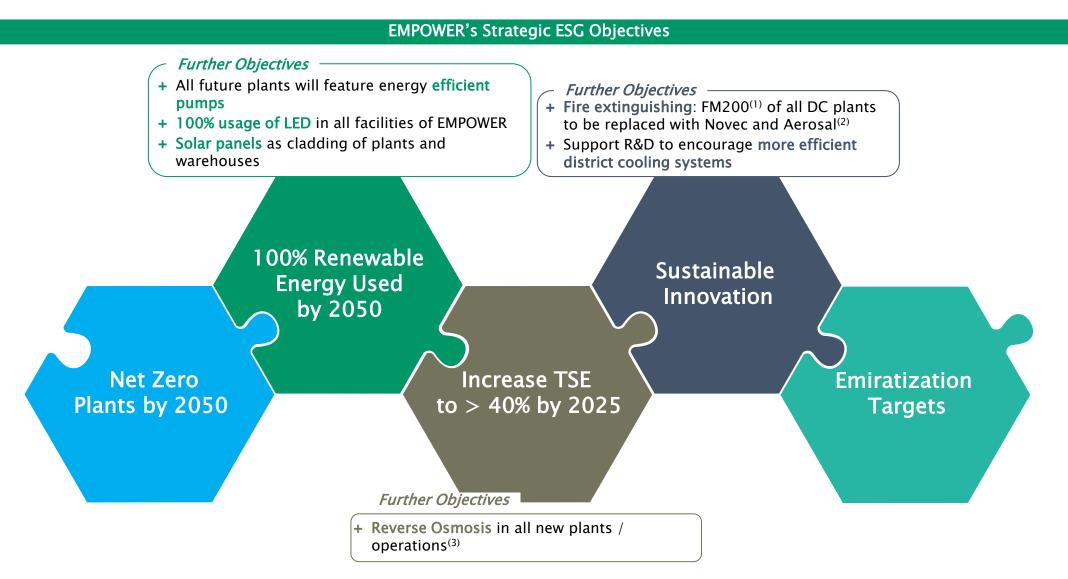


### **EMPOWER's Comprehensive ESG Profile**



Sources: Company information. Supreme Council of Energy. Note: (1) QHSE refers to Quality, Health, Safety, and Environment.

## To Become a Leader in District Cooling By Achieving the Highest Contribution in ESG Parameters



Source: Company information.

### **Environmental Management Supported by Robust Systems**

#### Selected Environmental Achievements and Initiatives Supporting the Targets

Scale





- CO2 savings YoY c.17.7% in 2021 to **735k tCO2**
- Pioneered identification of CO2 reductions methodology, approved by the UN



- **Electricity**
- **Electricity savings YoY** c17.7% in 2021 to 1.7bn kWh
- **Encouraging responsible behaviour** (e.g. Summer Campaign led to savings of c. 5% energy usage historically)
- DC efficiency of 0.9 **kW/ton** in 2021<sup>(1)</sup>
- Leading energy efficiency supports additional CO2 savings
- Acquired plants undergo energy efficiency improvement
- Thermal storage ("TES") in permanent plants to reduce peaktime pressure on state power-grid by producing chilled water during off-peak hours
- Use of Artificial Intelligence to manage TES to reduce energy consumption





Water

- TSE recycling sewage water usage in 2021 of 12%
- Water recovery of 65% in 2021
- c.41% more water savings 2021 vs 2018 through increased water cycles(2)
- Currently operating 7 reverse osmosis plants, with 3 further plants commissioned for 2022



- **Waste & Effluents**



- Strict scrap process promoting re-use before recycling
- Campaigns to **eradicate** single-use plastic and to minimise waste
- Waste minimization efforts, such as electronic devices donation
- · Continuous monitoring of effluent parameters



- Refrigerant Leakage
  - Installed refrigerant leakage detection system to reduce leakage
  - Systematic control to reduce spillage with usage and refrigerant top up monitored

Legend:

Quantifiable **Achievements** 

**Initiatives** 

Financials

### Social Impact Contribution for Employees and Communities

Strong Health and **Safety Measures for Employees** 

- ✓ Health and Safety training to all staff: 516 trainings to 4,654 attendees<sup>(1)</sup> in 2021
- ✓ Holistic OH&S risk management: 1) Project specific risk assessment; 2) Project effective permit-to-work implementation across all plants. In addition, there are HSE committee meetings, project safety walk through and emergency drills
- ✓ Systematic QHSE Internal audit across all the plants once in a year
- ✓ Zero Lost Time Injury (LTI) in 2021

EMPOWER-ing a Diverse and **Inclusive Workforce** 

- ✓ Employee development program for all staff (2), including leadership development, team building, communication skills
- ✓ Diverse workforce with 30 nationalities
  - √ Women represent 16.2% of management positions (21.4% overall at head office)

- ✓ Joined DEWA's 'Inclusion People Of Determination Innovation Incubator' program(3)
- ✓ Emiratisation with dedicated mentoring system in place
  - ✓ 33.3% Emiratis at the head office in 2021
  - ✓ EMPOWER-ing Emirati women

**Active Leader within** Communities

- ✓ Corporate Social Responsibility events:
  - $\checkmark$  373 events organised since 2008<sup>(5)</sup> (63<sup>(4)</sup> in 2021)
  - $\checkmark$  >100 employees in 2021, incl. top management, participated in those events aligned with:







✓ Advanced CSR label from Dubai Chamber Sustainability Network 4x in a row<sup>(5)</sup>





### Proprietary and World Class Integrated End-to-End Solutions





- · Unique modular approach to project
- · Cost-effective and inhouse design of Energy Transfer Stations (ETS) and heating exchangers



**Procure &** Build

- Rapid deployment capabilities for pipe network construction with in-house project management, and construction teams
- Deep relationship with key suppliers (e.g. chiller manufacturers)



**Operation & Maintenance** 

- In-house dedicated 24/7 plant operators
- Computerized maintenance management systems for planning, execution and monitoring in real time
- Ability to provide emergency solutions (e.g. mobile chillers)
- Selective application of Al to enhance performance

#### Command & **Control Centre**

- State-of-the-art command and control centre (CCC) offering a technology platform to remotely monitor and control plant operations 24/7
- The CCC will ensure equipment's performance, enhance service reliability and ensure **compliance** with agreed upon thresholds on a real time basis

### Metering & **Billing solutions**

- 100% smart meters
- · Complete metering and sub-metering solutions
- Potential future demand site response capabilities
- End-to-end billing solutions

### **Customer Care**

- Customer Care Centres and call centres for handling customers' service requests
- Multiple payment channels and gateways

### Highlight

**Low Cost Modular Approach** 

In-house Project **Management** 

Computerized Maintenance

Best-in-class Command and Control Centre

**Full Deployment of Smart Meters** 

Multi-channel **Customer Care** 

In-house Capability

















### Best in Class Operational Expertise with Dedicated O&M Team

### Fully Integrated Operations Supporting EMPOWER 24/7

Scale

#### **Operations**

- Dedicated in-house O&M team
- ✓ 24/7 real time performance monitoring through SCADA
- ✓ World's largest District Cooling Command and **Control Centre (CCC)**
- ✓ Parallel Working **Environment** to cover in case of any interruption of service at CCC

### Planning (Enhance & Build **Systems and Processes)**

- ✓ Processes and procedures to further optimize business
- ✓ End-to-end process automation
- ✓ World class assets and maintenance management
- Monitoring systems, departmental service level agreements and controls

#### Maintenance

- ✓ Maintenance scheduled during off-peak season to avoid service disruption
- Preventative maintenance through 5 categories:
  - Mechanical
  - Electrical
  - Instrument & Control
  - Network
  - Metering
- √ 24/7 emergency response coverage

#### **Backup Solutions** in Case of Breakdown

- ✓ Fleet of fast response vehicles ready for quick action in case of emergency
- Temporary solution chillers loaded on specialized trucks
- ✓ Logistics and transportation readily available on 24/7 basis
- Stand-by 3rd party **agreement** for critical emergency services

#### **Initiatives and Training**

- ✓ TSE<sup>(1)</sup> and smart metering system
- ✓ Carbon credit framework for District Cooling
- ✓ ASHRAE<sup>(2)</sup> design guideline for District cooling
- ✓ UNEP<sup>(3)</sup> participation for district cooling promotion
- ✓ Technical, safety and soft skills trainings conducted yearly











### World's Largest Command and Control Centre for District Cooling

#### Delivering Secure and Reliable Services to an Ever-Expanding Customer Base

Scale

- ✓ EMPOWER's Command and Control Centre (CCC) provides a holistic view on all activities in all plants, buildings and unit levels, from the plant efficiency to consumer consumption patterns
- ✓ The CCC functions on top of a virtualized IT environment and Programmable Logic Controls systems as well as **SCADA**
- ✓ The technology enables the tracking of operations across the entirety of EMPOWER's district cooling network
- ✓ **Information** on demand, supply and consumption is available instantaneously
- ✓ The CCC is duplicated as PWE<sup>(1)</sup> to retain remote operation of the plants in case of any unforeseen circumstances, such as COVID-19, through which there was zero interruption of service



EMPOWER's Command and Control Centre can track, monitor and control up to a million parameters on a real time basis across its district cooling network, a first of its kind

at a Glance

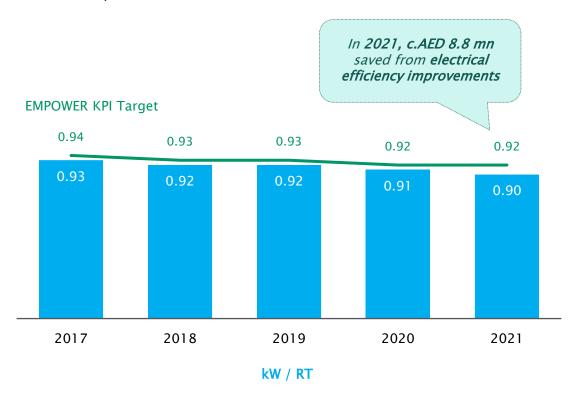
Scale



### EMPOWER Continues to Introduce Innovative Efficiency Driven Measures Into its Operations

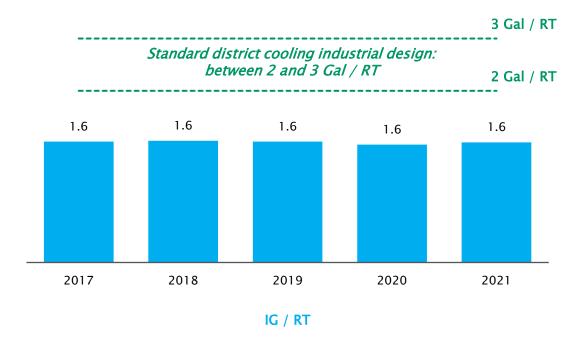
### **Continued Improvement in Electrical Efficiency Driving Savings**

- EMPOWER has been consistently overachieving the company's targets in terms of electricity usage KW/RT
- Reflects ongoing initiatives to save on energy with c.0.02 TWh saved in 2021 equivalent to AED 8.8 mn



### Water Efficiency Well Above Standard Industrial Design

- EMPOWER continues to integrate additional water conservation into operations
- Current water efficiency KPIs indicate an optimal level of water efficiency with reverse osmosis treatment processes contributing to consistently lowering the water consumption / RT vs. industrial design



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ESG

### Innovative Smart Metering Covering 100% of EMPOWER's Customer Base

### Overview

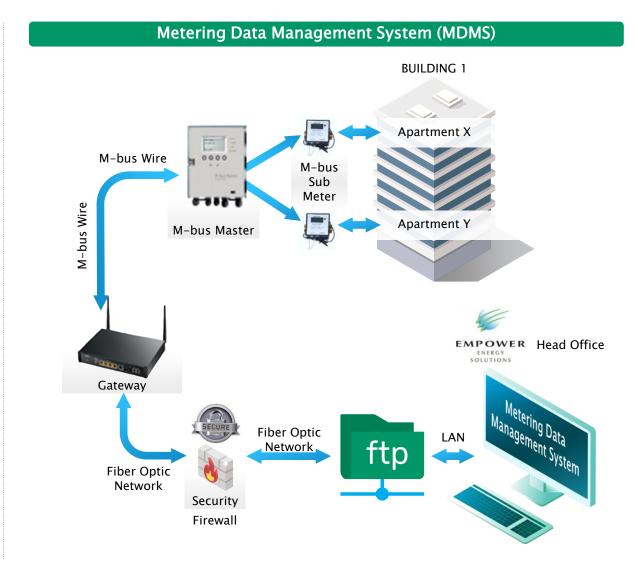
- ✓ Started metering in 2007, and implemented smart metering in 2014, the Metering Data Management System (MDMS), improving efficiency, mitigating production losses and detecting faults
- √ By 2017, all existing meters were upgraded to smart meters in EMPOWER's networks

### Metering Data Management System

- √ Smart Metering Solution which transforms manual collection of field meter readings to eliminate humanbased data collection activities
- √ Meters at the site are connected for remote and instantaneous meter reading, transmitted through connected platforms

### Key **Advantages**

- √ Reduces costs and prevents production losses
- ✓ Simplifies metering process and early fault detection features
- ✓ Enhances accuracy and efficiency of operations



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### Maximizing the Use of Recycled Water to Increase Savings and System Efficiency

### Use of Recycled Water in Operations Leading to Cost Savings and More Environmentally Friendly Operations

Scale



### Minimizing the use of water from DEWA...

Fresh domestic water produced using water desalination is distributed throughout the Emirate of Dubai



### ... By Using TSE<sup>(1)</sup> Supplied by Dubai Municipality

Reverse osmosis polished TSE Water is used to reduce the amount of domestic water in the district cooling operation

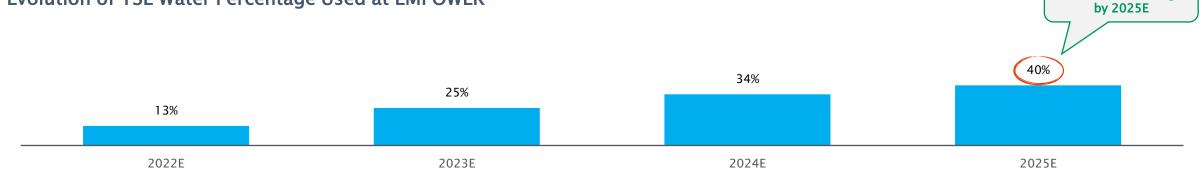


#### Key Advantages of Using TSE Water vs Fresh Domestic Water

- ✓ Significant reduction in capital and operational costs
- ✓ Environmentally-friendly solution reducing the demand for fresh domestic water
- ✓ TSE water is c. 10x cheaper than the cost of fresh domestic water in Dubai

EMPOWER is liaising with the Dubai Municipality to continue developing the necessary infrastructure to be supplied with TSE water

### **Evolution of TSE Water Percentage Used at EMPOWER**

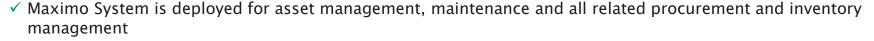


**EMPOWER** targets to reach 40% TSE usage

### Superior Asset Management Framework Backed by Tier 1 Digital Infrastructure

#### IT Systems Supporting Operations







- ✓ Internally developed workforce utilization and management system (time tracker, timesheet and overtime system) to track and monitor man-hour, shift schedule and overtime
- ✓ Internally developed workflow system for business process management system and customer complaint ticketing system developed internally notably built for Dubai airport with the possibility to be used for other key customers



- ✓ Well recognised **Qlik Dashboard business intelligence system** for enhancing reporting efficiency and providing real time information to management to monitor all key metrics
- ✓ ZorroSign deployed through block-chain technology for superior privacy and security for digital signatures and transactions



Source: Company information.

✓ Oracle deployed for financial accounting management

#### **Superior Operational Systems**





SCADA System

EMPOWER's Command and Control Centre



6. Financials: Resilient, Predictable and Growing Financial Profile Supported By a Favourable Business Model



### A Unique Business Model that Harnesses Captive Demand



#### **Chilled Water**

Scale

**Exclusive Long-term Agreements** with Master Developers

**Service Charges** 

### Captive **Pools of Demand**

EMPOWER's infrastructure-based business model harnesses captive demand pools through long-term exclusive agreements with master developers and highly visible revenues streams with limited variability

#### **Services Provided**



- Build & construct district cooling infrastructure
- Connect buildings to the plant



 Operations and maintenance



- Total metering solution
- Billing system
- Customer service





- High barriers to entry due to longterm contracts (25 + yrs)
- Perpetual renewal clauses





- Significant market share of c.80%(1)
- Fixed fees are charged and collected regardless of usage



 Restriction on transfer of real estate property if dues are unpaid to EMPOWER

ESG



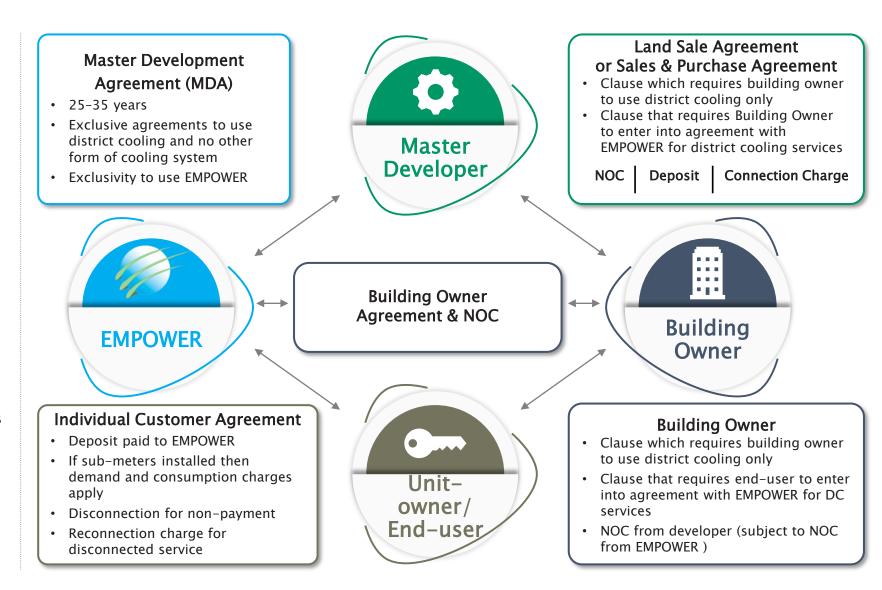
### **EMPOWER Robust Contractual Framework**

## The Company receives payments in the form of:

- A demand charge and a consumption charge from any owner and/or developer, including the district developer, of a building within the relevant district
- A demand charge and/or consumption charge from any owner, tenant or occupier of an individual unit in any building within such district
- Once the company delivers the full site demand load on the mutually agreed date, it also has the right to charge a "shortfall" demand charge payable by the Master Developer each year for the difference between the aggregate building demand load and the total demand load for the Site.

#### **Tariff Structure**

- Capacity (fixed, AED/RT) Covers EMPOWER's Capex spent
- Consumption (variable, AED/RTh) Covers variable costs of EMPOWER (e.g. increases in electricity & water costs)
- Other charges include connection charge, temperature surcharge, meter maintenance and others



Source: Company information.



### Strong, Resilient, Predictable and Growing Financial Profile

Robust and consistent revenue growth

- Fundamentally attractive and fast-growing market driven by strong macro fundamentals and favourable policy
- Revenue growth driven by RT capacity additions in existing concessions exclusive to Empower and demand growth
- Successful track-record of growth through project acquisitions

8.9% 6.1% 12-13%(6) 6.5 - 7.5%RT CAGR Revenue CAGR YoY Revenue Growth Revenue CAGR (19-21A)(19-21A)(22E)(Mid-Term Target)

High profitability with healthy and stable margins

- Inflation linked revenue with pass-through utilities costs
- EBITDA margin consistently above 48%

49.5% EBITDA Margin (Avg.19-21A)

6.6% EBITDA CAGR (19-21A)

48-50% EBITDA Margin (Mid-Term Target)

**Strong Cash Flow Visibility** 

- Long-term contractual framework with large fixed capacity charge component and inelasticity of demand
- Efficient growth capex ratio of AED 4-6m per k RT

25+ Years Long-Term Contracted

Revenue

38%<sup>(1)</sup> | 77%<sup>(2)</sup> Fixed Charge % Revenue | % Adj. EBITDA (Avg.19-21A)

100% Cash Conversion Ratio<sup>(3)</sup> (Avg.19-21A)

**Prudent Capital** Structure Providing Headroom for Growth and Investment

- Robust balance sheet with moderate leverage profile well below peers; gradual de-leveraging to c.2.5x in 2025 and below 2.0x in the medium term
- Significant headroom to fund inorganic growth while maintaining a healthy leverage ratio range of 3-4x

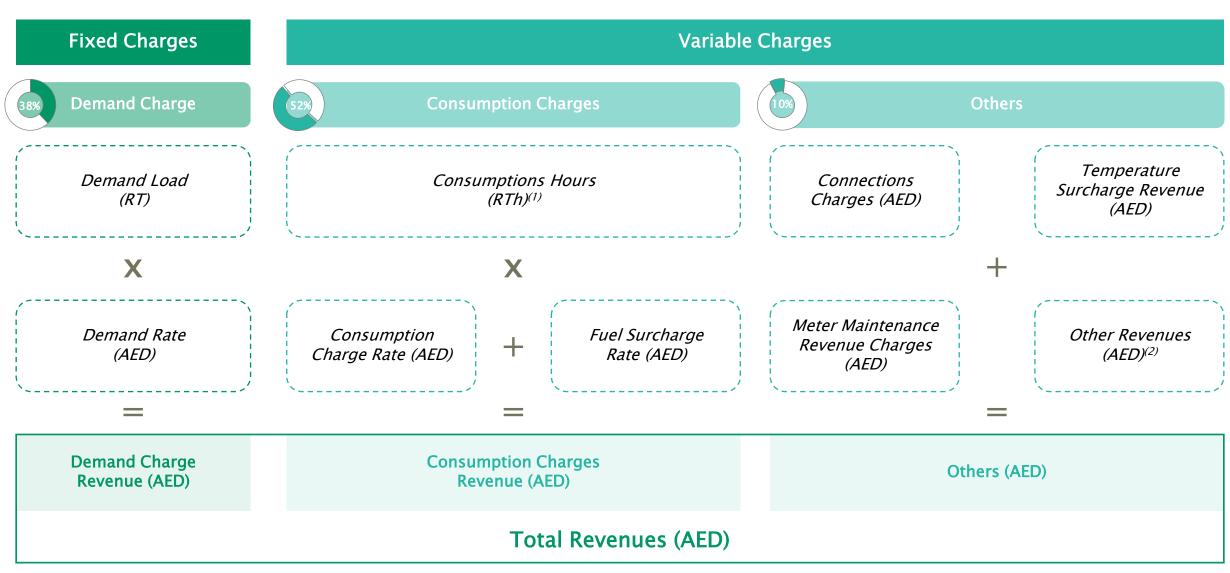
0.5xNet Debt / Adj. EBITDA 2021A(4)

 $3.5x^{(5)}$ Net Debt / Adj. EBITDA 2022E

Source: Company information. Note: (1) Calculated as: average (2019-2021A) of demand charge revenue / total revenue. (2) Calculated as: average of (2019-2021A) demand charge revenue / Adjusted EBITDA. (3) Calculated as: average (2019–2021A) net cash generated from operating activities / Adjusted EBITDA. (4) Calculated as net debt (bank borrowing (current and non-current) - cash and cash equivalents - term deposits) / Adjusted EBITDA. (5) 2022 year end estimates for net debt / Adjusted EBITDA. Company is currently undergoing refinancing efforts. Refer to Adjusted EBITDA reconciliation in appendix. (6) Revenue growth in 2022 without the Dubai Airport district cooling assets acquisition expected to be in high single digits.



### 90% of Revenue Covered by Fixed Capacity Payments and Pass Through Consumption Charges





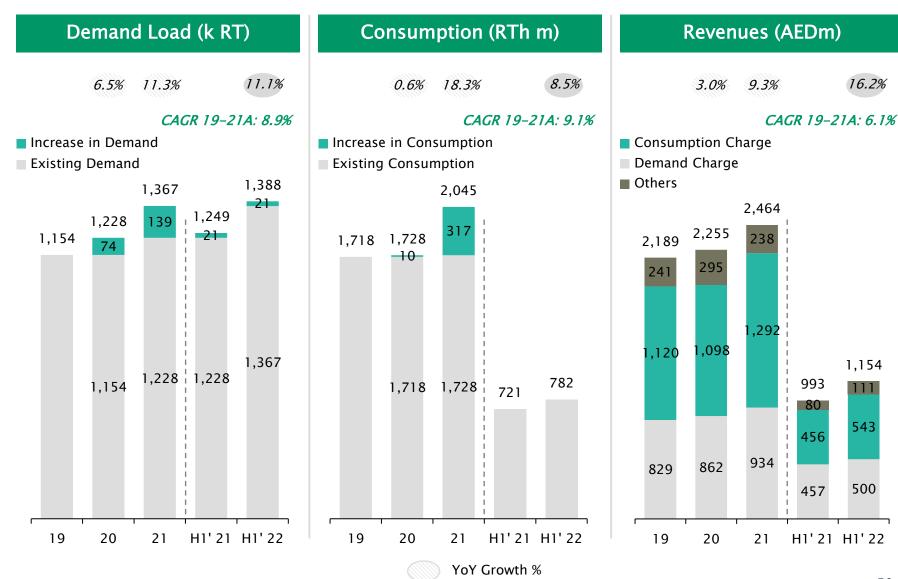
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### Consistent Top Line Growth Following Capacity Additions

at a Glance

- Demand load growing at 8.9% CAGR over 2019-2021 adding an average of 100k RT per annum
- Consumption grew in-line with load growth despite reduction in 2020 (driven by Covid-19), recovered in 2021
- Resiliency of revenue mix through the cycle with 6.1% CAGR in 2019-2021 despite impact on demand from Covid-19
- H2 typically exhibits higher demand on the back of increased consumption due to seasonality (i.e. warmer weather in H2)
- Demand charge represents 38% of revenue p.a.



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### Historical Income Statement Analysis & Mid-Term Targets

AED m	2019A	2020A	2021A	H1 21	H1 22	2022E Targets	Mid-Term Target
Connected Capacity (k RT)	1,154	1,228	1,367	1,249	1,388	1,489	1,858+
Consumption (RTh m)	1,718	1,728	2,045	721	782	2,450+	3,350+
EFLH (hours) - Average Load	1,557	1,451	1,575	582	584	1,700+	1,800+
Revenue	2,189	2,255	2,464	993	1,154	12-13% YoY Growth <sup>(5)</sup>	CAGR 6.5-7.5%
COS(1)	968	932	1,090	372	454		
G&A Expense <sup>(2)</sup>	161	167	168	88	100		
Adj. EBITDA <sup>(3)</sup>	1,060	1,156	1,204	533	600		
Margin %	48.4%	51.3%	48.9%	53.7%	52.0%		48-50%
EBIT	799	864	894	381	435		
Margin %	36.5%	38.3%	36.3%	38.4%	37.7%		
Net Profit	871	901	936	389	432		
Margin %	39.8%	40.0%	38.0%	39.2%	37.4%		
Capex	677	775	1,240	315	221	<b>←</b> AED 4-6	im / k RT ──►
Organic	677	775	572	315	221		
Inorganic	-	_	668	-	-		

### **Commentary**

- Connected Capacity: c. 140k increase in connected capacity in FY 2021 includes additional capacity from the acquisition of Nakheel's district cooling assets
- **Revenue:** Comprises of capacity, consumption and other charges; grew at a CAGR of 6.1% (FY 2019-21) on the back of increase in connected capacity and improvement in EFLH profile
- COS: Utilities (majority provided by DEWA) accounted for 90% of COGS in FY 2021
- G&A: Staff costs accounted for c. 80% of G&A expenses in FY 2021
- Capex<sup>(4)</sup>: AED 2.7bn invested between FY 2019–21 (AED 2.0bn organic and AED 0.7bn inorganic)

### 2022 Targets and Mid-Term Targets

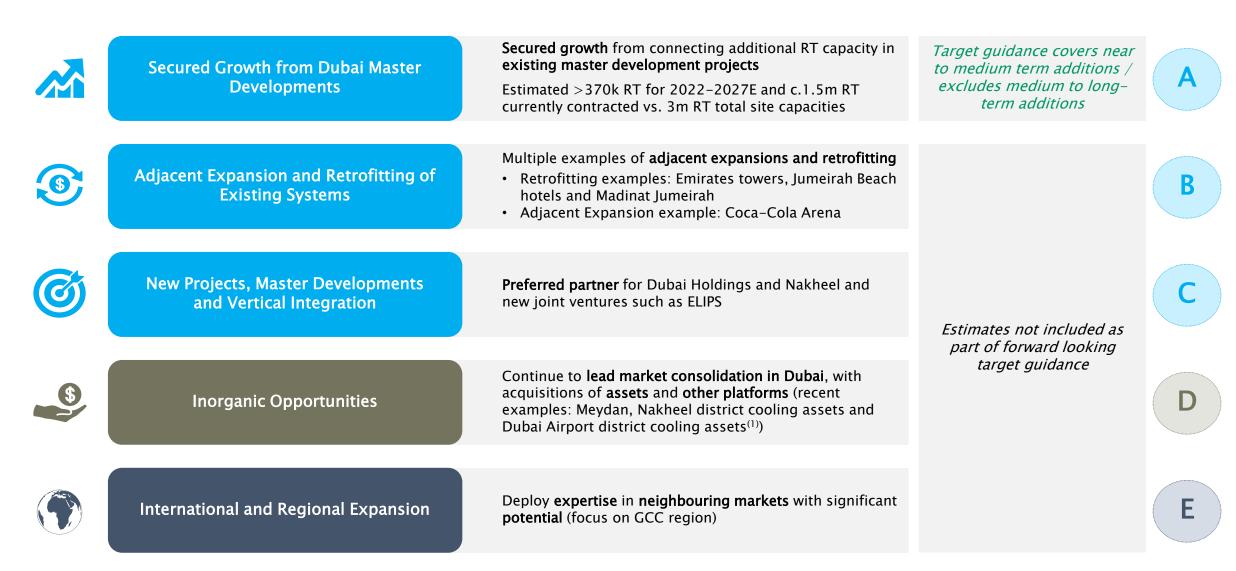
- Connected Capacity & Revenue Growth:
  - FY 2022E: Significant YoY growth in revenue (12%-13%) and capacity expected, fully reflective of the Nakheel's district cooling assets acquisition
  - Mid-Term Target: Connected capacity is expected to reach above 1.8m RT and revenues to grow at a CAGR of 6.5-7.5% in the mid-term driven by higher demand and consolidation of the contemplated acquisition of Dubai Airport's district cooling assets
  - Full impact of Dubai Airport district cooling assets acquisition expected to result in low double digit revenue growth in FY 2023 vs FY 2022
- Equivalent Full-Load Hour (EFLH): expected to grow from c. 1,500 (FY 2021) to 1,800+ in the mid-term given the changing customer mix (increasing number of commercial customers - i.e. Dubai Airport with 24/7 operations)
- **EBITDA**: EBITDA margin is expected to be in the range of 48%-50% in the mid-term

Source: Company information. Notes: (1) Excludes depreciation of property, plant and equipment, depreciation of right-of-use assets, amortization of intangible assets, and impairment reversal of project cost and includes; utilities cost, direct staff costs, materials cost, and others. (2) excludes depreciation of property, plant and equipment and depreciation of right-of-use assets, and includes; indirect staff costs, directors remuneration, consultancy and communication expenses, advertising & marketing expenses, rent expense, business travel expense and others. (3) Adjusted EBITDA excludes impairment reversal of project cost, and other income (refer to Adjusted EBITDA reconciliation in appendix). (4) Includes: purchase of property, plant and equipment, net of project cost accruals, and acquisition of subsidiary. (5) Revenue growth in 2022 without the Dubai Airport district cooling assets acquisition expected to be in high single digits.

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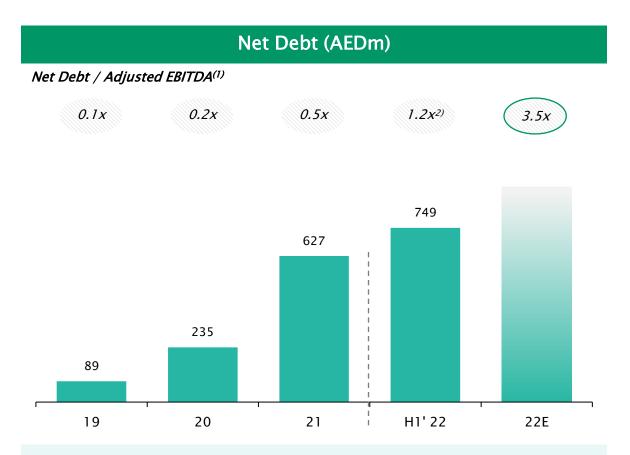
### **Multiple Growth Avenues**

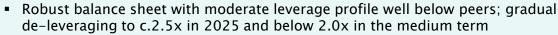


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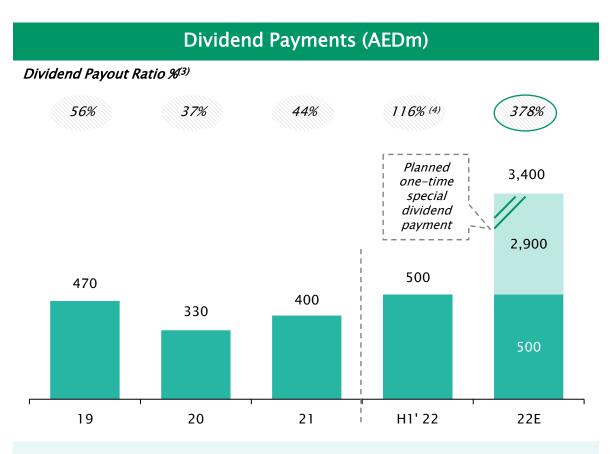


### Prudent Leverage Underpinning an Attractive Dividend Proposition





- Significant headroom to fund inorganic growth while maintaining a healthy leverage ratio range of 3-4x
- Refinancing expected to be finalized by year end



- Consistent track record of dividend payment to shareholders of AED 400m on average in 2019-2021
- One-time special dividend expected to be paid in 2022 which will be financed via the issuance of new debt, efforts for which are currently underway





### EMPOWER Is Set to Benefit From Multiple Growth Avenues, Organically and Inorganically

### **Organic Growth Avenues**



#### **Inorganic Opportunities**



- **Adjacent Expansion and Retrofitting of Existing Systems**
- **New Projects, Master Developments** and Vertical Integration

**Consolidation Opportunities and Large Scale Acquisitions** 

· Highly secure growth backed by agreements with master developments

• >370k RT additions expected

· Key areas: Business Bay, Jumeirah

Village South, Dubailand, Meydan

2022E-2027E

- Leverage on existing infrastructure to expand and connect adjacent projects to EMPOWER's network
- EMPOWER as preferred DC services provider for new projects from Dubai Holding and Nakheel
- Unannounced new projects or to be
- Recent examples: Jumeirah Beach Group Hotels, Madinat Jumeirah (20k RT<sup>(1)</sup> and 10k RT<sup>(1)</sup> to come), JBR (20k RT<sup>(1)</sup>, 2016), Bluewaters (25k RT) and Emirates Towers from DIFC (5k RT<sup>(1)</sup>, 2015) (retrofitting)
- developed (e.g. Dubai Health)
- Ability to leverage EMPOWER's capabilities and supply chain relationships for further vertical integration (e.g. ELIPS)

- Build on EMPOWER's long-standing **M&A track record** with examples such as Palm Utilities, Nakheel and the Dubai Airport district cooling assets
- Seasoned M&A team with experience in executing sector transactions and driving consolidation

 1.5m RTs contracted vs. 3mn RTs total site capacities

#### International and Regional Expansion

• Well positioned for regional expansion in nearby markets with a strong economic and social case for district cooling, mainly in the GCC and certain MENA countries (e.g. KSA, Qatar and Egypt)

EMPOWER has the optimal scale and market positioning to capture growth from multiple avenues in Dubai and beyond

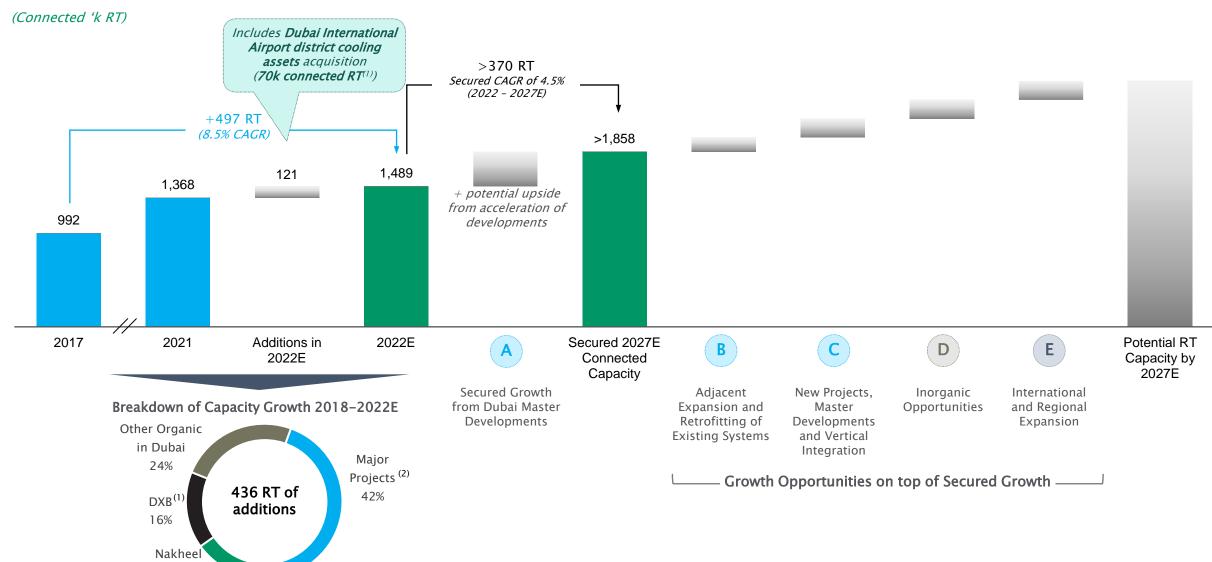
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### **Growth Avenues and RT Capacity Outlook**

18%

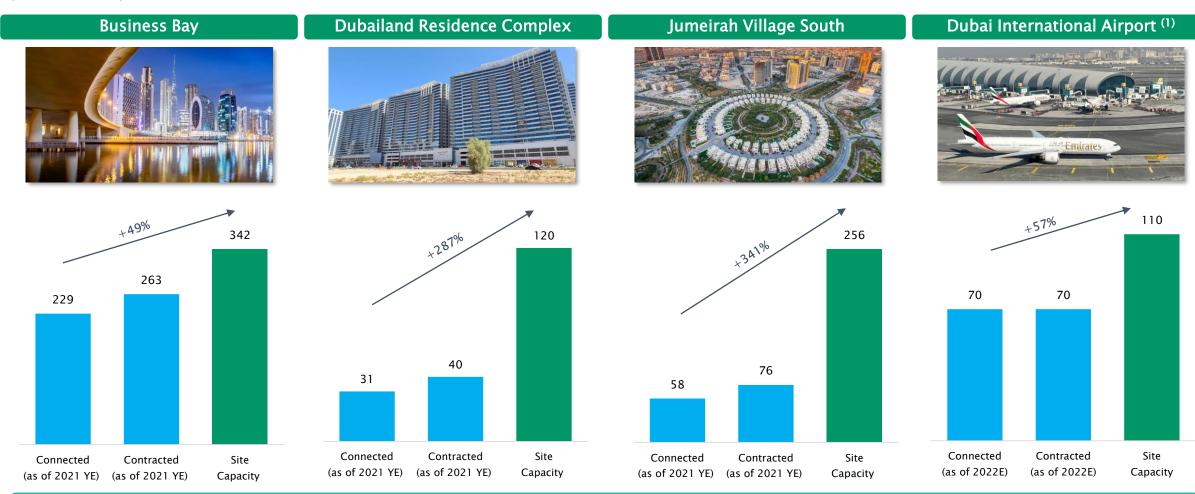


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### Secured Growth from Dubai Master Developments

(Connected 'k RT)



Total additions of more than 370k RTs (22E-27E), of which c.213k RTs (c.58%) to come from 3 main projects

Financials

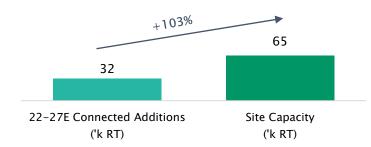


## Secured Growth from New Projects in Dubai

#### **Dubai Maritime City**



Purpose-build maritime centre, set to become a major hub for maritime services

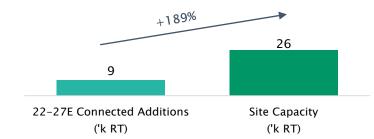


#### **Deira Waterfront Phase 2**

Scale



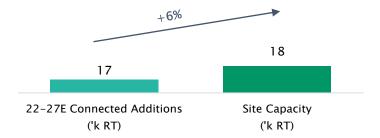
Luxurious residential and hospitality complex, set on the edges of a private marina



#### The Island



Currently under construction, luxury beachfront development which will include 1,400+ hotel rooms and apartments, as well as cafés, restaurants, retail stores and family entertainment

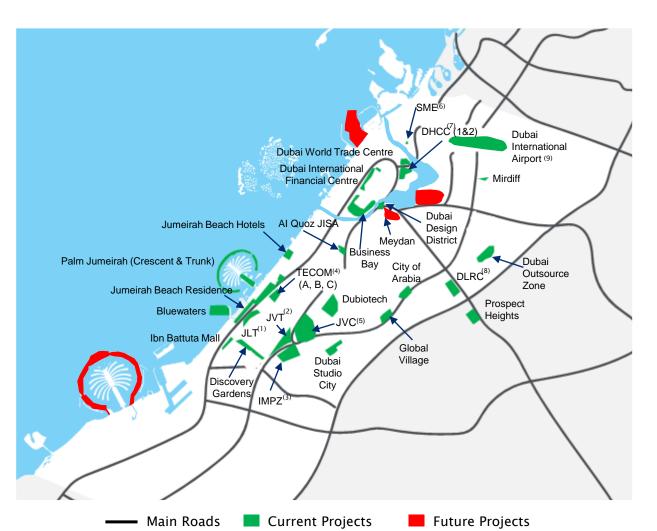


EMPOWER has secured further growth avenues by being strategically positioned on Dubai's next iconic projects

ESG



### Adjacent Expansion and Retrofitting of Existing Systems



#### Optimally Positioned to Connect Adjacent New Projects to the Network

- Presence all across Dubai and established relationships with real estate developers work as a facilitator for connecting additional projects adjacent to the existing networks
- Scale allows efficient deployment and enhance opportunities to reach new developments

#### **Emirates Towers Retrofitting Highlights**



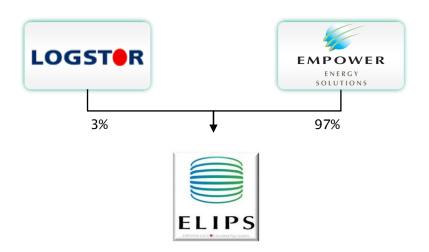
- Well positioned for additional retrofitting and conventional cooling conversions to district cooling
- EMPOWER retrofitted Emirates Towers old cooling system by installing an Energy Transfer Station of total capacity of 5k RT, upgradable to 6k RT, and connected it to its District Cooling System
- **Project Benefits:** 
  - · Significant reduction in electrical energy consumption of c.50%
  - 30k sqft of prime land made available for future development
  - 6.4k tCO2 emission reduced annually



## **(c)**

### **EMPOWER's Leading Insulated Pipe Systems Joint Venture**

### **EMPOWER Logstor Insulated Pipe Systems (ELIPS)**



- ✓ Leading manufacturer of pre-insulated pipes and provider of innovative solutions in fittings across the GCC countries and the North Africa region
- ✓ ELIPS was established in 2007 as a joint venture between EMPOWER (51%) and Logstor Holding Denmark (49%)
- Commercial operations commenced in 2009
- Headquartered in the Jebel Ali industrial area in Dubai over an area of 10k sq meters
- ✓ In 2012, EMPOWER increased its shareholding in ELIPS to 97%

#### **Business Description**

- Caters to the demand for **pre-insulated pipes and fittings** from **various industrial domains** e.g. district cooling, oil, gas, solar, marine
- Key to EMPOWER's efficient transport of energy and supply chain

ESG

• Has served 150+ projects over the last 10 years

### **Robust Operational and Financial Performance**

- Home to the UAE's largest plant, leveraging robotics-driven manufacturing technologies
- Capacity of producing 300km of pipes and fittings ranging from 2 to 80 inches
- Total sales of over AED 800 mn, spread across various locations:
  - GCC region, notably UAE, Oman, Kuwait, KSA
  - Egypt

#### **Environmentally Friendly Manufacturer**

- ELIPS quality management systems are certified to the standards of the European International Network for District Cooling
- Achieved ISO (International Organization for Standardizations) such as EURO HEAT, ISO 9001:2015, ISO 14001:2015, and ISO 45001
- Only pre-insulated pipe manufacturer in the region that uses CFC<sup>(1)</sup> free blowing agent, which contributes to the reduction of CO2 emissions and improve energy efficiency



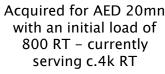


### Successful Track-Record of Growth Through Project Acquisitions with Further Room for Market Consolidation

Scale

#### Extensive Track Record in Acquisitions: Key Transactions in the Last 10 Years







Acquired for AED 674mn, taking over 6,500 active customers and 14 activated projects, with c.88k RT



### **Inorganic Growth Avenues**

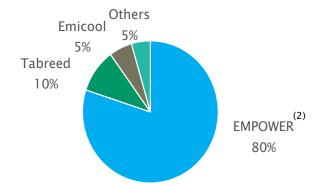


Leveraging EMPOWER's deep expertise in acquisitions and relationships with banks and stakeholders to complete transactions



Continue to lead consolidation of local district cooling market

#### 2021 District Cooling Market Share in Dubai (%)





Capitalise on carve-outs and monetisation of large scale district cooling operations (e.g. Palm, Nakheel and Dubai Airport(1) district cooling assets)

#### **Palm District Cooling**

Creating World's Largest **District Cooling Services** Provider with 369k RT of additions at a price of \$500mn, currently contributing 1/3 of revenue

# 2018

#### Meydan District Cooling

2020

Acquired for AED 100mn with 10k RT with huge growth potential with site master capacity of 382k RT



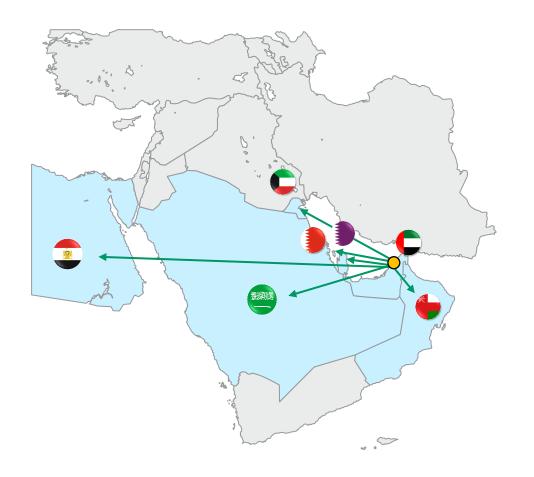
#### **Dubai International Airport** DC Systems(1)

To be acquired for AED 1.1bn, serving the world's busiest airport by international passenger traffic with c.70k connected RT

EMPOWER has built a successful track record in acquiring iconic projects in Dubai, continuously leveraging its scale and know-how



### International and Regional Expansion: Key Potential Markets



- Balance sheet flexibility, access to capital and regional know-how make EMPOWER well positioned for regional expansion in nearby markets where district cooling is set to play an important societal role
- Population growth, growing economies and temperature increases, constitute megatrends accelerating the need for efficient and sustainable cooling at scale, also in neighbouring GCC countries
- Growth is notably expected to materialize further in the UAE, the GCC region (notably in KSA and Qatar) and other MENA countries (e.g. Egypt)

Description	Unit	UAE	Dubai	KSA	Qatar	Kuwait	Oman
Estimated District Cooling Systems Installed Capacity	kRT	3,300	1,710 <sup>(1)</sup>	1,900	900	200	160
Estimated DC Scheme Contract Value	AED bn	7.5	NA	5.2	2.3	0.5	0.4
District Cooling Penetration Rate	%	15.0	25.6	3.4	9.1	1.3	2.8





### **Historical Income Statement**

AEDm	2019A	2020A	2021A	CAGR 19-21A	H1 2021A	H1 2022A	YoY Growth %
Revenue	2,189	2,255	2,464	6.1%	993	1,154	16.2%
Growth %		3.0%	9.3%			16.2%	
COS(1)	(968)	(932)	(1,090)		(372)	(454)	
Impairment Reversal of Project Cost	80	53	32		-	_	
Gross Profit (exc. D&A)	1,301	1,376	1,406	3.9%	621	700	12.7%
Margin %	59.4%	61.0%	57.1%		62.5%	60.6%	
G&A Expenses (exc. D&A)(2)	(161)	(167)	(168)		(88)	(100)	
Other Income / (Expense)(3)	5	(9)	8		8	5	
EBITDA	1,145	1,200	1,244	4.3%	541	605	11.8%
Margin %	52.3%	53.2%	50.5%		54.5%	52.4%	
D&A Expense	(262)	(292)	(312)		(152)	(165)	
EBIT	884	909	933	2.8%	389	439	12.9%
Margin %	40.4%	40.3%	37.9%		39.2%	38.1%	
Net Interest Expense <sup>(4)</sup>	(13)	(7)	3		0	(8)	
Net Profit	871	901	936	3.7%	389	432	10.9%
Margin %	39.8%	40.0%	38.0%		39.2%	37.4%	

Source: Company information. Note: (1) Excludes depreciation of property, plant and equipment, depreciation of right-of-use assets and amortization of intangible assets, and includes; utilities cost, direct staff costs, materials cost, and others. (2) excludes depreciation of property, plant and equipment and depreciation of right-of-use assets, and includes; indirect staff costs, directors remuneration, consultancy and communication expenses, advertising & marketing expenses, rent expense, business travel expense and others. (3) includes: interest income on financial asset at amortised cost, provision for expected credit losses, net impairment losses on financial assets, share of profit from JV, and other income. (4) Calculated as: finance income less finance costs.



### **Historical Balance Sheet**

AEDm	2019A	2020A	2021A	H1 2022A
Cash and cash equivalents	331	1,069	1,246	1,835
Inventories	42	35	27	25
Trade and Other Receivables	271	307	274	399
Other Current Assets(1)	3	32	222	441
Current Assets	647	1,443	1,769	2,699
Property, Plant and Equipment	6,199	6,713	7,033	6,996
Other Non-Current Assets(2)	25	76	741	788
Non-Current Assets	6,224	6,790	7,774	7,784
Total Assets	6,870	8,233	9,544	10,484
Trade and Other Payables	1,584	1,411	1,485	1,626
Borrowings – Current	68	167	1,000	2,024
Other Current Liabilities(3)	158	208	172	139
Current Liabilities	1,811	1,786	2,657	3,789
Borrowings - Non Current	352	1,155	988	884
Other Non-Current Liabilities(4)	434	497	468	454
Non-Current Liabilities	786	1,652	1,456	1,338
Total Liabilities	2,597	3,438	4,113	5,127
Share Capital	1,000	1,000	1,000	1,000
Reserves <sup>(5)</sup>	500	502	503	497
Retained Earnings	2,707	3,208	3,844	3,776
Contributed Capital & NCI	66	84	84	84
Total Equity	4,274	4,795	5,431	5,357
Total Liabilities & Equity	6,870	8,233	9,544	10,484

Source: Company information. Note: (1) Includes: due from related parties, financial assets at amortised cost and at fair value through profit or losses, and term deposits. (2) Includes: right-of-use assets, intangible assets, financial assets at amortised cost and at fair value through other comprehensive income, investment properties, and investment in joint venture. (3) Includes: due to related parties, government grant, and lease liabilities. (4) government grant, provision for EOSB, retentions payable, and lease liabilities. (5) Includes: statutory reserve and other reserves.



### **Historical Cash Flow Statement**

AEDm	2019A	2020A	2021A	H1 2022A
Net Profit	871	901	936	432
D&A expense <sup>(1)</sup>	262	292	312	165
Other non-cash expenses <sup>(2)</sup>	(65)	(23)	(11)	18
Cash Profit for Period	1,068	1,170	1,237	615
Net change in working capital	(45)	(137)	130	(6)
Net Cash Generated from Operating Activities	1,023	1,034	1,366	(6) <b>610</b>
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Acquisition of subsidiary	-	-	(668)	-
Payment for PP&E, Net	(677)	(775)	(572)	(221)
Other Income / (Investments) <sup>(3)</sup>	7	(68)	(186)	(197)
Net Cash Used in Investing Activities	(669)	(844)	(1,426)	(418)
Proceeds from bank borrowing, Net	489	970	917	917
Repayment of bank borrowings	(70)	(70)	(253)	-
Dividends paid to shareholders	(470)	(330)	(400)	(500)
Other Items <sup>(4)</sup>	(25)	(22)	(28)	(20)
Net Cash Generated from Financing Activities	(76)	548	236	398
Net Increase in Cash and Cash Equivalents	277	738	176	589
Cash and Cash Equivalent at the Beginning of the Year	54	331	1,069	1,246
Cash and Cash Equivalent at the End of the Year	331	1,069	1,246	1,835

Source: Company information. Note: (1) includes: depreciation of property, plant and equipment, depreciation of right-of-use assets, and amortization of intangible assets. (2) Includes: amortisation of financial assets and arrangement fees, impairment reversal of project cost, share of profit of joint venture, gain on disposal of property, plant and equipment, net impairment losses on financial assets, employees' end of service benefits provisions and payment, interest on lease liabilities, interest income earned on financial assets at amortised cost, net finance cost, government grant income, impairment of trade receivables, and settlement of financial assets. (3) Includes: short-term deposits (more than 3 months) enabled, investment in financial assets at fair value through other comprehensive income, and proceeds from disposal of property, plant and equipment. (4) Includes: lease payments (principal and interest), and finance cost paid.



## **Adjusted EBITDA Reconciliation**

AED m	2019A	2020A	2021A	H1 21	H1 22
Reported EBITDA	1,145	1,200	1,244	541	605
Margin %	52.3%	53.2%	50.5%	54.5%	52.4%
Less: Impairment Reversal of Project Cost	80.3	53.5	32.3	-	-
Less: Other Income / (Expense)	4.6	(8.8)	7.6	7.8	4.6
Other Income	4.8	5.0	16.2	7.8	2.7
Interest Income on Financial Asset at Amortised Cost	-	-	-	-	9.3
Provision for Expected Credit Losses	-	-	_	-	(7.4)
Net Impairment Losses on Financial Assets	(0.4)	(13.8)	(8.6)	-	-
Share of profit from JV	0.1	-	_	-	-
Adjusted EBITDA	1,060	1,156	1,204	533	600
Margin %	48.4%	51.3%	48.9%	53.7%	52.0%

Source: Company information.