

# 廣東陽江核電站明年全面投產

## 機組數量多規模大 為粵港澳大灣區供電

香港文匯報訊(記者 方俊明 陽江報導)作為國家規劃重點能源建設項目,廣東陽江核電站是目前中國一次核准機組數量最多規模最大的核電項目。記者近日跟隨「富美陽江行」走進陽江核電站,了解到該項目總投資約850億元(人民幣,下同),連續建設6台百萬千瓦級核電機組,目前1至4號機組已投入商業運行,5至6號機組建設順利,明年全面建成投產,將為粵港澳大灣區提供電力供應。而整座核電站關鍵設備國產化率超過85%,成為中國核電規模化、系列化、標準化發展的重要標誌。



陽江核電站連續建設6台百萬千瓦級核電機組,明年全面建成投產,將為粵港澳大灣區提供電力供應。  
香港文匯報記者方俊明 攝

### 陽江國家新能源基地重大項目

1. 陽江核電站：總投資約850億元，6台百萬千瓦級核電機組，2019年底全部建成投產，年發電量480億千瓦時。
2. 中廣核工程試驗中心：總投資25.5億元，規劃佔地約500畝，一期建設零部件加工、部件組裝、理化檢測等設施，以此為基礎擴建為核燃料組件廠。
3. 四大風電項目：總投資額約177億元，包括中廣核陽江南鵬島海上風電場、中節能陽江南鵬島海上風電場、華能風電場、中國水電陽江農墾局雞山等風電場。
4. 四大光伏發電項目：總投資額超14億元，包括廣東省首個光伏項目示範基地「陽東縣大溝鎮5萬千瓦光伏農業與觀光旅遊綜合利用示範項目」、赤坎村農業光伏電站、清灣仔水庫光伏發電項目、南網新能源大溝鎮漁光互補光伏發電項目。

香港文匯報記者方俊明 整理

陽江核電站位於「南海之濱」陽江市東平鎮,連續建設6台百萬千瓦級核電機組,規劃總裝機容量648萬千瓦,單機108萬千瓦。記者在現場看到,項目建設已漸成規模。據中廣核集團陽江核電有限公司透露,1至4號機組於2014年到2017年3月陸續投入商運,5號機組於2017年7月完成冷態功能試驗,6號機組正處於設備安裝階段,目前核電站整體安全質量狀況良好。

### 港四成用電量中廣核供

據統計數據,陽江核電站目前累計完成投資760億元,完成計劃總投資的90%;僅2017年前三個月發電量便達220億,產值94.6億元。按計劃,5、6號機組分別於2018年和2019年建成投產,屆時年發電量達480億千瓦時;與同等規模的化石能源相比,相當於減少標煤消耗1,497萬噸,減少向環境排放二氧化碳3,923萬噸,環保效益相當於在珠三角地區種植了近10萬公頃的森林,可以覆蓋半個深圳或一個香港。

據悉,在同等裝機規模條件下,核電年發電量約為火電的1.7倍,風電的4倍,光伏發電的6倍。當前,廣東共有在運核電機組10台,裝機容量1,046.4萬千瓦,佔全省電力總裝機10%,為全省提供了17.5%的電力供應。與此同時,中廣核每年為香港供電超過100億千瓦時,佔香港用電量的四成。

### 設備國產化率逾85%

中廣核集團陽江核電有限公司表示,陽江核電站採用中國自主品牌的壓水堆核電技術(CPR1000)及其改進型技術,整座核電站關鍵設備國產化率超過85%,是中國核電規模化、系列化、標準化發展的重要標誌。而隨著廣東在建核電機組的陸續投運,廣東的電力供應將更加穩定和可持續,將為粵港澳大灣區提供電力供應。

## 又有數家外企網站 被揭列西藏台灣為「國家」

香港文匯報訊 美國達美航空、ZARA、美敦力被揭在其網站把西藏、台灣等地列為「國家」,上海市網信辦1月12日已向ZARA和美敦力網站運營主體發出整改通知書,限令於當日18時前在官方網站刊發致歉聲明。中國民航局亦約談達美航空負責人要求立即整改及致歉。

綜合內地媒體報導,上海市網信辦要求兩家網站全面自查,按時提交書面整改報告。上海市網信辦相關負責人指出,網絡空間不是法外之地,跨國企業應遵守中國互聯網相關法律法規,做到合法合規運營。

限期整改公開道歉

中國民航局網站昨日亦發出通告表示,對達美航空官網將西藏、台灣列為「國家」事件高度關注,已第一時間約談相關負責人,要求達美航空立即公開道歉。民航局將要求運營至中國航線的所有外國航空公司立即對企業網站及APP等用戶端資訊進行全面排查,嚴格遵守中國法律法規,杜絕同類事件發生。

達美航空中國方面公關總監中午回應稱,錯誤頁面已第一時間更正,其中英文網站「國

家」一欄已變為「國家和地區」,並撤下西藏。ZARA中文網亦已撤下含涉台錯誤資訊的網頁「收取衣服」。

「藏獨」推文錯誤點讚

另據中新社報導,萬豪國際集團總裁兼首席執行官蘇安勳(Arne Sorenson)12日凌晨發表致歉信,稱給「藏獨」點讚係個別員工過失。蘇安勳在致歉信中表示,萬豪國際一貫尊重並支持中國的主權及領土完整。遺憾的是,「本周內我們的工作出現了兩次與此理念背道而馳的錯誤」。

蘇安勳所說的兩次錯誤分別是:首先,在會員調查問卷中,錯誤地將西藏等中國領土列為國家選項;其次,官方賬號錯誤地點讚了支持「西藏獨立」的推文。他解釋後者是個別員工的過失。

中國外交部新聞發言人陸慷12日在例行發佈會回應相關問題時表示,中方歡迎外國企業來華投資興業,同時在華經營的外國企業也應當尊重中國的主權和領土完整,遵守中國法律,尊重中國人民民族感情。這也是任何企業到其他國家投資興業、開展合作最起碼的遵循。

## 全國數字出版交易平台建設紹興啟動

香港文匯報訊(記者 茅建興 紹興報導)全國百家名社數字出版物交易平台戰略合作圓桌會議暨「中國近代文獻保護工程」推進儀式日前在浙江紹興舉行,來自全國各地50餘家出版社和圖書館負責人等120餘人出席會議,籌劃建立一個全國數字出版交易平台。

該平台整合全國出版社、圖書館資源,建立一個數字出版物交易平台,並以此平台建設一個行業銷售聯盟,共同促進行業良性發展。浙江越生文化傳媒控股集團董事長壽林芬表示,「中國近代文獻保護工程」將是平台聯盟啟動的第一個項目,交易平台將以圖書

館為主要營銷方向,預期目標到2018年掀起合作60到100家出版社,能夠供給300家圖書館,銷售360萬冊。到2020年能夠實現1,000家圖書館的供給,上線銷售1,200萬冊電子書的總量。

中國新聞出版傳媒集團董事長馬國倉表示,2017全國數字出版營業收入達到6,978億元人民幣,「水大魚大」,數字出版規模增速令行業興奮。據統計,目前全國共有500餘家出版社,每年生產大量電子圖書。圖書館內電子圖書的占比,也從原先的3:7變為現在的7:3,數字出版領域前景廣闊。

### 神州快訊

## 江西豐城發電廠事故 宜春副市長被撤職

香港文匯報訊 據新華社報導,記者昨日從江西省宜春市人大常委會獲悉,宜春市第四屆人民代表大會常務委員會第十次會議決定:撤銷楊玉平宜春市人民政府副市長職務。

2016年11月24日,江西豐城發電廠三期擴建工程發生冷卻塔施工平台坍塌特別重大事故,造成

73人死亡、2人受傷,直接經濟損失10,197.2萬元。據國務院對事故調查情況的通報,楊玉平2011年5月至2016年8月任豐城市委書記,其中,2016年4月至8月,同時主持豐城市政府工作,違規干預、越權批准設立豐城鼎建材公司攪拌站,對事故發生負有主要領導責任。

## 北航博導性騷擾學生 被取消教師資格

香港文匯報訊 據中新社報導,北京航空航天大學1月11日夜在其官方微博發佈消息稱,針對該校教師陳小武被實名舉報,學校本着高度負責、實事求是的態度,認真細緻地開展了調查核實工作。現已查明,陳小武存在對學生的性騷擾行為。

北航表示,陳小武的行為嚴重違背了教師的職業道德和行為規範,造成了惡劣的社會影響。根據國家和學校相關規定,經研究決定,撤銷陳小武研究生院常務副院長職務,取消其研究生導師資格,撤銷其教師職務,取消其教師資格。

2018年首日,華裔女學者羅茜西實名舉報了12年前作為她博士生導師、現北京航空航天大學博士生導師、長江學者陳小武,稱陳小武曾對她及另外6名女性學生進行過性騷擾。

1月12日,羅茜西回應稱,母校的通報,意料之中又突如其來,這一份等待與期待沒有被辜負。

1972年出生的陳小武,此前在北京航空航天大學從事虛擬現實、圖形圖像、可視計算、智能計算、人機交互、增強現實、數據驅動等研究,並從事研究生、博士生教學工作。

## HAINAN AIRLINES HOLDING CO., LTD.

### ANNOUNCEMENT OF EQUITY PLEDGE HAINAN AIRLINES HOLDING CO., LTD.

The Hainan Airlines Holding Company Limited (hereinafter referred to as the Company) and entire members of its board of directors ("BoD") hereby guarantee that there is no significant omission, fictitious description or serious misleading of the announcement and would take both individual and joint responsibilities for the truthfulness, accuracy and completeness of its content.

On Jan. 12 of 2018, the Hainan Airlines Holding Company Limited (hereinafter referred to as the Company) receive the notice from its controlling shareholder, the Grand China Air Company Limited (hereinafter referred to as the Grand China Air), that the Grand China Air has pledged the circulation shares of the Company and would continue the equity pledge operation again. The related pledge-releasing procedures had been completed at the China Securities Depository and Clearing Co., Ltd. (Shanghai branch). Following is the detail:

1. Basic Information of the Pledge

1.1 Mortgagor: The Grand China Air Co., Ltd.

1.2 Time, Share Amount, Pawnee and Proportion of Pledged Shares:

On Jan. 10 of 2018, the Grand China Air released the shares of the Company (200,000,000 shares, taking 1.19% of total shares amount of the Company) pledged with the China CITIC Bank Corporation Limited (Haikou Branch). The Grand China Air would continue the equity pledge operation of above listed shares to the China CITIC Bank Corporation Limited (Haikou Branch).

1.3 Share Type: Circulation share without trading restrictions

1.4 Pledge Term: From Jan. 10 of 2018 to July 10 of 2018

1.5 As of the date of this announcement, the Grand China Air holds 4,089,167,580 shares of the Company, taking 24.33% of the total share capital of the Company. Presently, the total pledged shares accounts for 4,088,032,301 shares, taking 24.32% of the total share capital of the Company and 99.97% of the total share amount of the Company held by the Grand China Air.

2. Purpose of the Pledge

The implementation of the equity pledge by the Grand China Air was to meet its demand of operation capital.

3. Repayment Ability

The sources of the repayment capital would be mainly from its investment income and stock dividend income, etc. The financial situation of the Grand China Air is stable, its credit situation is good, and has strong performance ability.

4. Risks and Countermeasures

The credit situation of the Grand China Air is good. It possesses strong performance ability. The risk of above equity pledge is in controllable range. There is neither possibility of liquidation nor mandatory liquidation. There is no substantial factor that may lead to the change to the actual control right of the Company. As the subsequent emergence of risk, the Grand China Air would take measures (including but not limited to supplementary pledge, advance repayment, etc.) to deal with.

If there's other substantial changes, the Company would disclose relevant information timely in accordance with relevant regulations. Investors shall pay attention to investment risks.

5. Documents for Reference

5.1 Notice of Equity Pledge issued by the Grand China Air

5.2 Registration Certificate of Securities Pledge issued by the CSDC (Shanghai)

Board of Directors  
Hainan Airlines Holding Company Limited  
Jan. 13, 2018

### ANNOUNCEMENT OF MAIN OPERATION DATA HAINAN AIRLINES HOLDING CO., LTD.

The board of directors of the Hainan Airlines Holding Co., Ltd. and its entire directors guarantee that there is no significant omission, fictitious description or serious misleading of the announcement and would take both individual and joint responsibilities for the truthfulness, accuracy and completeness of the content.

Following is the consolidated main operation data of the Hainan Airlines Holding Co., Ltd. (hereinafter referred to as the Company) and its subsidiaries (hereinafter referred to as the Group) in December of 2017:

Transport Volume	December of 2017			Accumulated Amount in 2017	
	Data	Chain Relative Ratio (%)	Month-on-Month Ratio (%)	Data	Increase/Decrease over the Same Period (%)
Revenue Passenger-flow Kilometer/RPK (Unit: In Kilometer*person time)					
Domestic	8,425,280,000	2.28	45.94	96,088,710,000	44.35

Regional	42,920,000	1.08	0.62	521,390,000	-8.99
International	2,098,360,000	15.31	34.88	24,613,370,000	55.67
Total	10,566,550,000	4.62	43.34	121,223,480,000	46.14
Revenue Tonne Kilometer/RTK (Unit: In Kilometer*ton)					
Domestic	815,100,000	2.06	42.43	9,157,860,000	40.90
Regional	4,130,000	1.25	3.07	48,080,000	-6.99
International	259,080,000	9.28	32.47	2,960,100,000	56.37
Total	1,078,310,000	3.70	39.70	12,166,040,000	44.07
Revenue Freight Tonne Kilometer/RTK (Unit: In Kilometer*ton)					
Domestic	65,000,000	2.23	10.95	676,640,000	8.15
Regional	310,000	5.68	46.21	2,200,000	72.59
International	73,540,000	-2.19	26.60	801,260,000	58.81
Total	138,850,000	-0.15	18.79	1,480,110,000	30.81
Seating Capacity (In 1,000 person times)					
Domestic	5,833.47	1.55	53.19	67,406.78	51.65
Regional	24.14	5.51	6.69	289.68	-1.59
International	338.69	14.20	51.39	3,993.45	75.28
Total	6,196.30	2.18	52.83	71,689.91	52.46
Freight Transportation Volume (Unit: In 1,000 tons)					
Domestic	38.36	1.93	17.36	390.72	11.24
Regional	0.18	2.32	60.52	1.29	84.50
International	7.89	-2.06	26.21	87.29	57.55
Total	46.43	1.23	18.90	479.30	17.66

Transport Capacity	December of 2017			Accumulated Amount in 2017	
	Data	Chain Relative Ratio (%)	Month-on-Month Ratio (%)	Data	Increase/Decrease over the Same Period (%)
Available Seat-flow Kilometer/ASK (Unit: In Kilometer*seat)					
Domestic	9,577,230,000	1.79	49.23	107,367,210,000	45.18
Regional	61,250,000	5.95	7.82	702,800,000	-2.50
International	2,843,120,000	7.01	37.67	32,773,190,000	65.83
Total	12,481,600,000	2.95	46.16	140,843,200,000	49.13
Available Tonne-Kilometer/ATK (Unit: In Kilometer*ton)					
Domestic	917,660,000	1.72	45.19	10,307,360,000	42.93
Regional	5,130,000	2.59	2.52	60,600,000	-6.29
International	336,930,000	7.93	32.18	3,907,450,000	61.39
Total	1,259,730,000	3.31	41.23	14,275,410,000	47.21
Available Freight Tonne-Kilometer (Unit: In Kilometer*ton)					
Domestic	167,560,000	0.29	41.58	1,826,140,000	36.53
Regional	1,310,000	7.85	8.26	14,720,000	3.30
International	151,390,000	0.73	28.93	1,748,610,000	69.35
Total	320,270,000	0.53	35.14	3,589,480,000	50.54

Transport Rate	December of 2017			Accumulated Amount in 2017	
	Data (%)	Chain Relative Ratio (%)	Month-on-Month Ratio (%)	Data (%)	Increase/Decrease over the Same Period (%)
Load Factor (RPK/ASK)					
Domestic	87.97	0.42	-1.98	89.50	-0.51
Regional	70.07	-3.37	-5.01	74.19	-5.29
International	73.80	5.30	-1.53	75.10	-4.91
Total	84.66	1.36	-1.66	86.07	-1.76
Freight Load Factor					
Domestic	38.79	0.74	-10.71	37.05	-9.72
Regional	23.28	-0.48	6.04	14.94	6.00
International	48.58	-1.45	-0.89	45.82	-3.04
Total	43.35	-0.29	-5.97	41.23	-6.22
Total Load Factor (RTK/ATK)					
Domestic	88.82	0.29	-1.72	88.85	-1.28
Regional	80.42	-1.07	0.42	79.34	-0.60
International	76.89	0.95	0.17	75.76	-2.43
Total	85.60	0.32	-0.94	85.22	-1.86

Note:

1. The above listed data includes the production and transportation statistics of the Hainan Airlines Holding Co., Ltd., the China Xinhua Airlines Company Limited, the Chang'an Airlines Company Limited, the Shanxi Airlines Company Limited, the Yunnan Xiangpeng Airlines Company Limited, the Fuzhou Airlines Company Limited, the Urumqi Airlines Company Limited, the Tianjin Airlines Company Limited and the Beihuan Airlines Company Limited.
2. Revenue Passenger-flow Kilometer/RPK means that the flying kilometer times the charged passenger number.
3. Revenue Tonne Kilometer/RTK means that the flying kilometer times the charged loading tonnage (passenger & cargo).
4. Revenue Freight Tonne Kilometer/RTK means that the flying kilometer times the charged freight tonnage (cargo & mail).
5. Available Seat-flow Kilometer means that the flying kilometer times the seat available for sale.
6. Available Tonne-Kilometer means that the flying kilometer times the tonnage available for load.
7. Available Freight Tonne-Kilometer means that the flying kilometer times the tonnage for loading cargo & mail.
8. Load Factor means the ratio that the Revenue Passenger-flow Kilometer is divided by the Available Seat-flow Kilometer.
9. Freight Load Factor means the ratio that the Revenue Freight Tonne Kilometer is divided by the Available Freight Tonne Kilometer.
10. Total Load Factor (RTK/ATK) means the ratio that the Revenue Tonne Kilometer is divided by the Available Tonne Kilometer.

In December of 2017, the Group introduced in six B737-800 aircraft, one B737-MAX8 aircraft, three B787-900 aircraft, four A330-300 aircraft, four A320 aircraft and two E195 aircraft. As the end of December, the Group operates 410 aircraft in total. The Company started the operation of a new air-route between Lijiang and Kuala Lumpur (three-weekly flights) from December 12 of 2017; new air-route between Shenzhen and Keynes (twice-weekly flights) from December 19 of 2017; new air-route between Tianjin-Xi'an-Auckland (one-weekly flight) from December 29 of 2017.

We would like to remind investors that above data is from the internal statistics of the Group which has not been audited and might be adjusted. Above operation data might be different from the data disclosed in the related periodical report. Investors shall pay attention to the investment risks caused by improper trust or use of above information. We reserve the right of adjustment to above operation data according to the audit results and actual situation. The monthly operation data disclosed above is for preliminary reference only to investors. Investors shall pay attention to the investment risks caused by improper trust or use of above information.

Board of Directors  
Hainan Airlines Holding Co., Ltd.  
Jan. 13, 2018