

防疫需求大 機械人銷售急升

丹麥科企生意增10倍 供應醫院機場

新冠肺炎疫情摧毀了不少行業，但對於機械人的需求，卻從未這般強勁過。單就防疫所用的機械人，如醫院、機場、學校等單位需求殷切，銷售量火速上升。以丹麥公司Blue Ocean Robotics所開發的防疫機械人為例，今年銷售額便大升了10倍。



- 中國 工業機械人的產量在8月份增加14%
- 美國 今年首8個月，入口工業用機械人的數字增加了5%
- 日本 內閣府的數據顯示，工業機械人的銷量大抵上超出工業機械
- Blue Ocean Robotics 所開發的防疫機械人，丹麥 今年銷售額升10倍
- 特別用途機械等設備，包括工業機械人，一直跑贏其他行業

機械人在各國普及情況

大公報製表

完成人類不能勝任工作

【大公報訊】機械人的使用日益普及，令不少在職人士憂慮遲早會被取代。但建築界人士卻認為，機械人可以完成人類不能勝任的工作，雙方具互補性，機械人並沒有取代人類，而只是輔助人類。

普林斯頓大學兩位研究員，即建築師Stefana Parascho，和工程師Sigrid Adriaenssens，正夢想著使用機械人令建築工程簡化，包括興建大樓。因此，二人今年3月曾與建築和工程公司SOM舉辦展覽會，他們使用兩個由英國製造的Global Robots，建設了一座巨大的透明玻璃磚牆建築物。

這座建築物可在兩方面減少資源的運用，首先，在興建過程中，並不需要搭棚和打樁，而且因為斜度加倍，令建築物的結構效益更高，從而可減少建築材料。這些工序若沒有機械人的力量和精準，便不可能完成。

全球經濟危與機之機械人時代

大公報記者 李耀華

不論官方或是商業機構的調查均顯示，新冠肺炎疫情驅使公司加強使用科技，令自動化和數碼化工業，成為今年全球經濟大滑坡中，少見錄得增長的行業。

麻省理工學院專責未來研究部執行董事Elisabeth Reynolds表示，疫情擴散加速了機械人和其他科技的使用，履行一些疫症時期需求很大的職務。她表示，有理由相信，部分公司已學懂怎樣不需依靠太多人手，仍可維持生產力，以及明白到機械人非常可靠，永遠不會忘記如何工作。

機械人國際貿易錄增長

事實上，機械人和與自動化有關的國際貿易及其產量，在多個國家都錄得增長，與全球貿易向下的趨勢大相逕庭。美國國際貿易委員會的資料顯示，今年首8個月間，入口美國的貨品較去年同期大跌了一成一，但入口工業用機械

人的數目，卻增加了5%。

與去年同月比較，電腦系統設計的從業員人數在9月份減少了2%，但比起整體製造業和專業服務從業員來說，跌幅還未及其一半，更遑論招待、食品和住宿業的兩成跌幅了。

機械人在疫症期間的需求格外殷切，丹麥Blue Ocean Robotics所生產的防疫機械人，其銷量在今年來大升了10倍，主要用在醫院、學校，或是機場，例如倫敦希思羅機場。Blue Ocean Robotics行政總裁Claus Risager表示，從事一些極度需要安全行業的客戶相信，機械人很重要，所以生意便大幅增加。

在日本，內閣府的數據顯示，工業機械人的銷量更大抵上超出了其他工業機械。日本機械人協會的報告指出，日本出口機械人的數目，在次季錄得一成三的年增長率。中國方面，工業機械人

▲新冠肺炎疫情令自動化和數碼化工業興旺，是少見錄得增長的行業

資料圖片

的產量在8月份亦增加了一成四。

歐元區特別用途機械、舉重和處理等設備，包括工業機械人，一直跑贏其他行業，尤其是汽車製造業。歐元區就業人數在次季按年下跌了3.1%，專業界別職位更減少了4.2%，惟電腦程式的就業人數不減反增。

增長趨勢延至未來兩年

國際機械人聯盟委員會(IFR)成員Patrick表示，疫情為數碼工廠科技提供了真正的增長良機。他表示，部分智能工廠的員工繼續在家工作，員工可在家負責監察或維修等工作，至於新工具和機械的裝置與操作，則轉由擴增實境、混合實境、遙控數碼服務等來負責，因員工難以到工場上班。

IFR估計，全球股役的專業機械人數目，今年將會大升三成八，增長趨勢亦會延續至未來兩年。

科技發展迅速 員工培訓刻不容緩

財經觀察
李耀華

新冠肺炎爆發後，人類社會對科技的使用大幅提高，但是這並非表示人類對科技使用的能力有所增加。尤其在疫情出現後，多數人只能在家工作，令他們發現到自身科技知識真的有限，未來要學的東西實在太多。為了令員工盡快掌握科技技能，企業在培訓方面實在責無旁貸。新冠肺炎疫情令人類加速對科技的使用，舉凡防疫機械人、智能探熱器等，都是從前少有接觸到的新事物。對於大部分需要在家工作，並運用到新科技包括擴增實境和虛擬實境等員工來說，新科技更是他們的一大挑戰，需要一段時期慢慢適應。

美國公司Salesforce對全球超過兩萬人進行統計後發現，有六成三受訪者

相信科技在未來世界將日益重要，九成五人認為，在未來6個月內，適應這種轉變將是十分重要，七成人更認為，科技在工作發展方面，肯定扮演一個重要的角色。與此同時，雖然受訪者有這些見解，但是亦有高達六成六人認為，他們並不具備所需的科技技能。

要達到這個目標，公司未來在員工培訓、技能再培訓方面，必須有一定的承擔。隨着企業在未來將會更廣泛地使用人工智能和其他數碼科技提高生產速度，和掌握客人的需要，從前那種繁瑣重複的文件工作，應該盡量減至最少，令員工更善用科技完成手頭工作。

麥肯錫研究所的一份報告顯示，人類現今對科技的適應能力從未有過這般強勁，例如在過去3年間，人類社會對於電子商貿的運用速度突飛猛進。

SHENZHEN PROPERTIES & RESOURCES DEVELOPMENT (GROUP) LTD. THIRD QUARTERLY REPORT 2020 (SUMMARY)

Part I Important Notes
The Board of Directors (or the "Board"), the Supervisory Committee as well as the directors, supervisors and senior management of Shenzhen Properties & Resources Development (Group) Ltd. (together with its consolidated subsidiaries, the "Company", except where the context otherwise requires) hereby guarantee the factuality, accuracy and completeness of the contents of this Report and its summary, and that they are jointly and severally liable for any misrepresentation, misleading statements or material omissions therein.
All the Company's directors have attended the Board meeting for the review of this Report and its summary.
Liu Shengzhang, the Company's legal representative, Cai Lili, the Company's head of financial affairs, and Liu Qiang, head of the Company's financial department (equivalent to financial manager) hereby guarantee that the financial statements carried in this Report are factual, accurate and complete.
This Report and its summary have been prepared in both Chinese and English. Should there be any discrepancies or misunderstandings between the two versions, the Chinese versions shall prevail.

Part II Key Corporate Information
I Key Consolidated Financial Information
Indicate by tick mark whether there is any retrospectively restated datum in the table below.
✓ Yes □ No
Reason for retrospective restatement:
Business combination under common control

	30 September 2020	31 December 2019		Change (%)				
		Before	After	Before	After			
Total assets (RMB)	12,215,328,316.87	10,772,491,740.53	10,772,491,740.53	13.99%				
Equity attributable to the listed company's shareholders (RMB)	3,128,371,521.14	3,147,949,009.38	3,147,949,009.38	-0.62%				
	Q3 2020	Q3 2019	YoY change (%)	Q1-Q3 2020	Q1-Q3 2019	YoY change (%)		
		Before	After					
Operating revenue (RMB)	332,619,949.47	246,562,586.92	413,888,412.11	-19.64%	1,753,697,717.30	1,001,952,666.88	1,479,369,294.41	18.54%
Net profit attributable to the listed company's shareholders (RMB)	-19,555,182.58	-689,226.44	22,644.03	-186.36%	192,412,552.18	103,059,587.95	178,566,428.88	7.75%
Net profit attributable to the listed company's shareholders before exceptional items (RMB)	-19,618,268.67	-1,104,487.82	14,841,173.92	-232.19%	190,191,011.43	102,581,697.47	166,967,234.95	13.91%
Net cash generated from/used in operating activities (RMB)	1,170,415,181.72	994,222,491.29	1,062,466,646.03	10.16%	-452,766,987.18	534,270,254.31	665,778,634.33	-168.01%
Basic earnings per share (RMB/share)	-0.0328	-0.0012	0.0380	-186.32%	0.3229	0.1729	0.2996	7.78%
Diluted earnings per share (RMB/share)	-0.0328	-0.0012	0.0380	-186.32%	0.3229	0.1729	0.2996	7.78%
Weighted average return on equity (%)	-0.62%	-0.02%	0.59%	-1.21%	5.72%	3.13%	4.85%	0.87%

Exceptional gains and losses
✓ Applicable □ Not Applicable

Item	Q1-Q3 2020	Note
Gain or loss on disposal of non-current assets (inclusive of impairment allowance write-offs)	-17,518.68	Scraping disposal of miscellaneous assets
Government subsidies recognized in the current period, except for those acquired in the ordinary course of business or granted at certain quotas or amounts according to the government's unified standards	3,702,996.03	Pandemic subsidies received
Non-operating income and expense other than above	-1,861,169.08	
Less: Income tax effects	-494,671.94	
Non-controlling interests effects (net of tax)	-2,560.54	
Total	2,221,540.75	---

Explanation of why the Company reclassifies as recurrent an exceptional gain/loss item defined or listed in the Explanatory Announcement No. 1 on Information Disclosure for Companies Offering Their Securities to the Public—Exceptional Gain/Loss Items
□ Applicable / Not Applicable
No such cases for the Reporting Period.

II Total Number of Shareholders and Holdings of Top 10 Shareholders at 30 September 2020
1. Numbers of Ordinary Shareholders and Preference Shareholders with Resumed Voting Rights as well as Holdings of Top 10 Shareholders

Number of ordinary shareholders at the period-end		55,552	Number of preferred shareholders with resumed voting rights at the period-end (if any)		Unit: share
Top 10 shareholders					
Name of shareholder	Nature of shareholder	Shareholding percentage	Total shares held	Restricted shares held	Shares in pledge or frozen Status Shares
Shenzhen Investment Holdings Corporation	State-owned corporation	56.96%	339,452,527	3,326	
China Orient Asset Management Co., Ltd.	State-owned corporation	5.87%	34,970,000		
Industrial and Commercial Bank of China – Fullgoal Tianhui Selected Growth Hybrid Securities Investment Fund (LOF)	Other	1.85%	11,000,000		
Shenzhen Duty-Free Commodity Enterprises Co., Ltd.	Domestic non-state-owned corporation	0.29%	1,730,300	1,730,300	
Yang Yaochu	Domestic individual	0.25%	1,500,384		
Duan Shaoteng	Domestic individual	0.23%	1,355,555		
Lin Qiangyou	Domestic individual	0.22%	1,332,200		
Industrial and Commercial Bank of China – Fullgoal Growth Selected 3-year Fixed Open and Flexible Allocation Hybrid Securities Investment Fund	Other	0.19%	1,158,742		
Mai Furong	Domestic individual	0.18%	1,049,200		
Bank of China – Manulife Teda High Development Innovation 6-month Holding Hybrid Securities Investment Fund	Other	0.17%	1,041,100		
Top 10 unrestricted shareholders					
Name of shareholder		Unrestricted shares held		Shares by class	
				Class	Shares
Shenzhen Investment Holdings Corporation		339,449,201		RMB-denominated ordinary stock	339,449,201
China Orient Asset Management Co., Ltd.		34,970,000		RMB-denominated ordinary stock	34,970,000
Industrial and Commercial Bank of China – Fullgoal Tianhui Selected Growth Hybrid Securities Investment Fund (LOF)		11,000,000		RMB-denominated ordinary stock	11,000,000
Yang Yaochu		1,500,384		Domestically listed foreign stock	1,500,384
Duan Shaoteng		1,355,555		RMB-denominated ordinary stock	1,355,555
Lin Qiangyou		1,332,200		RMB-denominated ordinary stock	1,332,200

Industrial and Commercial Bank of China – Fullgoal Growth Selected 3-year Fixed Open and Flexible Allocation Hybrid Securities Investment Fund	1,158,742	RMB-denominated ordinary stock	1,158,742
Mai Furong	1,049,200	Domestically listed foreign stock	1,049,200
Bank of China – Manulife Teda High Development Innovation 6-month Holding Hybrid Securities Investment Fund	1,041,100	RMB-denominated ordinary stock	1,041,100
He Simo	1,011,750	Domestically listed foreign stock	1,011,750
Related or acting-in-concert parties among the shareholders above	The first largest shareholder, Shenzhen Investment Holding Corporation, is the actual controlling shareholder of the Company. And the Company does not know whether there are related parties or acting-in-concert parties among the other 9 shareholders.		
Top 10 ordinary shareholders involved in securities margin trading (if any)	N/A		

Indicate by tick mark whether any of the top 10 ordinary shareholders or the top 10 unrestricted ordinary shareholders of the Company conducted any promissory period during the Reporting Period.
□ Yes / No
No such cases in the Reporting Period.
2. Number of Preference Shareholders and Shareholdings of Top 10 of Them
□ Applicable / Not Applicable

Part III Significant Events
I Changes in Key Financial Statement Line Items and Explanation of why
✓ Applicable □ Not Applicable
1. Investments in other equity instruments stood at RMB1,020,868.70 as at 30 September 2020, down 35.41% compared to 31 December 2019, primarily driven by changes in fair value.
2. Other non-current assets stood at RMB27,378,395.82 as at 30 September 2020, up 481.04% compared to 31 December 2019, primarily driven by an increase in expenditure for acquisition of long-lived assets.
3. Contract liabilities stood at RMB1,694,826,977.08 as at 30 September 2020, up 144.14% compared to 31 December 2019, primarily driven by an increase in advances received in the pre-sale of residential units.
4. Taxes and levies payable stood at RMB1,337,668,707.08 as at 30 September 2020, down 48.52% compared to 31 December 2019, primarily driven by the payment of land value added tax on certain projects.
5. The current portion of non-current liabilities stood at RMB755,339,116.67 as at 30 September 2020, up 19163.78% compared to 31 December 2019, primarily driven by an increase in bank borrowings.
6. Long-term borrowings stood at RMB3,615,800,000.00 as at 30 September 2020, up 64.82% compared to 31 December 2019, primarily driven by an increase in bank loans.
7. Provisions stood at RMB5,712,799.92 as at 30 September 2020, up 96.77% compared to 31 December 2019, primarily driven by provision made according to court judgment.
8. Other comprehensive income stood at RMB-135,938.74 as at 30 September 2020, down 94.96% compared to 31 December 2019, primarily driven by the translation of foreign currency-denominated financial statements and changes in the fair value of other equity instruments.
9. Minority interests stood at RMB48,535,138.32 as at 30 September 2020, down 42.22% compared to 31 December 2019, primarily driven by 10. Taxes and levies stood at RMB412,829,423.52 during Q1-Q3 2020, up 191.19% compared to Q1-Q3 2019, primarily driven by an increase in the provision for land value added tax.
11. Selling expense stood at RMB22,942,832.34 during Q1-Q3 2020, down 47.24% compared to Q1-Q3 2019, primarily driven by a decrease in sales promotion and agent expense.
12. Other income stood at RMB4,850,559.92 during Q1-Q3 2020, up 119.18% compared to Q1-Q3 2019, primarily driven by over-deduction in the calculation of the taxable income amount in respect of input tax and the government's job security subsidy received.
13. Credit impairment loss stood at RMB1,163,290.17 during Q1-Q3 2020, down 109.08% compared to Q1-Q3 2019, primarily driven by a decrease in allowances for doubtful accounts.
14. Asset impairment loss stood at RMB1,832.91 during Q1-Q3 2020, down 100.15% compared to Q1-Q3 2019, primarily driven by a decrease in inventory valuation allowances.
15. Return on investment stood at RMB193,069.98 during Q1-Q3 2020, down 91.97% compared to Q1-Q3 2019, primarily driven by a decrease in returns on investments in joint ventures.
16. Non-operating income stood at RMB4,904,450.96 during Q1-Q3 2020, down 73.56% compared to Q1-Q3 2019, primarily driven by Q1-Q3 2019 seeing other payables where no payment was needed.
17. Net cash generated from/used in operating activities stood at RMB-452,766,987.18 during Q1-Q3 2020, compared to the amount of RMB665,778,634.33 during Q1-Q3 2019, primarily driven by an increase in taxes and levies paid.
18. Net cash generated from/used in investing activities stood at RMB-494,199,797.27 during Q1-Q3 2020, compared to the amount of RMB-38,551,818.08 during Q1-Q3 2019, primarily driven by the payment for the acquisition of interest in other company.
19. Net cash generated from/used in financing activities stood at RMB1,817,536,375.20 during Q1-Q3 2020, compared to the amount of RMB-482,720,306.16 during Q1-Q3 2019, primarily driven by additional bank loan.

II Progress, Influence and Solutions in respect of Significant Events
✓ Applicable □ Not Applicable
1. The Company disclosed an announcement on the media designated for information disclosure dated 18 July 2020 that the Company's controlling shareholder Shenzhen Investment Holdings Co., Ltd. ("SIHC") intended to reduce no more than 11,919,581 shares in the Company by way of centralized bidding during the three months immediately after 15 trading days of the date of the announcement. During the period from 25 August 2020 to 4 September 2020, SIHC reduced a total of 5,959,696 shares in the Company (representing over half of its shareholding) by way of centralized bidding, and the particulars were disclosed on the media designated for information disclosure dated 5 September 2020.
2. The Company disclosed an announcement on the media designated for information disclosure dated 15 August 2020 that China Orient Asset Management Co., Ltd., a shareholder holding over 5% shares in the Company, intended to reduce no more than 5,959,700 shares in the Company by way of centralized bidding during the three months immediately after 15 trading days of the date of the announcement.
3. In order to deepen cooperation with key customers abroad, explore cutting-edge technology and enhance international presence, the Company's wholly-owned subsidiary Shenzhen International Trade Center Property Management Co., Ltd. (ITC Property Management) intended to establish a wholly-owned subsidiary in China Vietnam Economic & Trade Cooperation Zone in Hai Phong, Vietnam. This matter was approved at the 18th Meeting of the 9th Board of Directors and the 2nd Extraordinary General Meeting of 2020 respectively, and was disclosed on the media designated for information disclosure dated 23 September 2020.
Index to disclosure
Summary of the significant event Date of disclosure
18 July 2020
Announcement No. 2020-33 on the Company's Controlling Shareholder to Reduce Shareholding on www.cninfo.com.cn
5 September 2020
Announcement No. 2020-41 on Progress of Shareholding Reduction by the Company's Controlling Shareholder (Over Half of Its Reduction Plan)
15 August 2020
Announcement No. 2020-34 on Shareholder Holding Over 5% Shares to Reduce Shareholding on www.cninfo.com.cn
23 September 2020
Announcement No. 2020-43 on Wholly-owned Subsidiary to Establish a Wholly-Owned Subsidiary Overseas on www.cninfo.com.cn
Progress of any share repurchase:
□ Applicable / Not Applicable
Progress of any reduction of the repurchased shares through centralized bidding:
□ Applicable / Not Applicable
III Commitments that the Company's Actual Controller, Shareholders, Related Parties, Acquirers, the Company Itself or Other Parties, Failed to Fulfill on Time during the Reporting Period
□ Applicable / Not Applicable
No such cases in the Reporting Period.
IV Financial Investments
1. Securities Investments
✓ Applicable □ Not Applicable

Type of securities	Code of securities	Name of securities	Initial investment cost	Ac-counting method	Opening carrying amount	Gain/loss on fair value changes in the current period	Cumulative fair value changes through equity	Purchased in the current period	Sold in the current period	Gain/loss in the current period	Closing carrying amount	Ac-counting title	Funding source
Domestic overseas stock	400016, 420016	Gintian A, Gintian B	3,565,856.06	Fair method	1,580,475.86	0.00	-569,080.59	0.00	0.00	0.00	9,473.43	1,020,868.70	Other assets
Total			3,565,856.06	---	1,580,475.86	0.00	-569,080.59	0.00	0.00	0.00	9,473.43	1,020,868.70	---
Disclosure date of announcement on Board's consent for securities investment			No such cases in the Reporting Period.										
Disclosure date of announcement on shareholders' meeting's consent for securities investment (if any)			No such cases in the Reporting Period.										

2. Investments in Derivative Financial Instruments
□ Applicable / Not Applicable
No such cases in the Reporting Period.
V Progress of Projects Financed with Raised Funds
□ Applicable / Not Applicable
VI 2020 Annual Operating Performance Forecast
Warning of a forecast loss or a forecast significant year-on-year change in the 2020 annual net profit, as well as explanation of why:
□ Applicable / Not Applicable
VII Significant Contracts Arising from the Company's Ordinary Course of Business
□ Applicable / Not Applicable
No such cases in the Reporting Period.
IX Irregularities in Provision of Guarantees
□ Applicable / Not Applicable
No such cases in the Reporting Period.
X Occupation of the Company's Capital by the Controlling Shareholder or Its Related Parties for Non-Operating Purposes
□ Applicable / Not Applicable
No such cases in the Reporting Period.
XI Communications with the Investment Community such as Researches, Inquiries and Interviews during the Reporting Period
□ Applicable □ Not Applicable

Date	Place	Way of communication	Type of communication party	Communication party	Major discussion content and information provided	Index to main information communicated
1 July 2020	Company	In writing	Individual	Individual investor	Inquired of the disclosure progress of the interim report of the Company	N/A
2 July 2020	Company	In writing	Individual	Individual investor	Inquired of the semi-annual performance of the Company	N/A
2 July 2020	Company	In writing	Individual	Individual investor	Inquired of situations of the top 10 shareholders of the Company	N/A
6 July 2020	Company	In writing	Individual	Individual investor	Inquired of business plan of the Company	N/A
6 July 2020	Company	In writing	Individual	Individual investor	Inquired of the interim report of the Company	N/A
6 July 2020	Company	In writing	Individual	Individual investor	Inquired of business plan of the Company	N/A
15 July 2020	Company	In writing	Individual	Individual investor	Inquired of the ownership of partial projects of the Company	N/A
20 July 2020	Company	By phone	Individual	Individual investor	Inquired of reduction of shareholding of major shareholders	N/A
20 July 2020	Company	By phone	Individual	Individual investor	Inquired of situations of the top 10 shareholders of the Company	N/A
23 July 2020	Company	By phone	Individual	Individual investor	Inquired of business operation of the Company	N/A
24 July 2020	Company	In writing	Individual	Individual investor	Inquired whether the Sino-American Relations influence the operation of the Company	N/A
27 July 2020	Company	In writing	Individual	Individual investor	Inquired of the future direction of development of the Company	N/A
28 July 2020	Company	In writing	Individual	Individual investor	Inquired of the revitalization plan of the Beixunin South business district	N/A
17 August 2020	Company	In writing	Individual	Individual investor	Inquired of partial projects and property services of the Company	N/A
25 August 2020	Company	By phone	Individual	Individual investor	Inquired of the reasons for falling share price of the Company	N/A
28 August 2020	Company	In writing	Individual	Individual investor	Inquired of the progress of reduction plan of sourced shareholders of the Company	N/A
31 August 2020	Company	In writing	Individual	Individual investor	Inquired of the property in partial ports and business	N/A
7 September 2020	Company	In writing	Individual	Individual investor	Inquired of demolition progress of Bangling Project	N/A