



Stock code: 2597



2017 2018 2019 **2020** 2021 2022

Ruentex Engineering & Construction Co., Ltd.

2020 Investor Conference

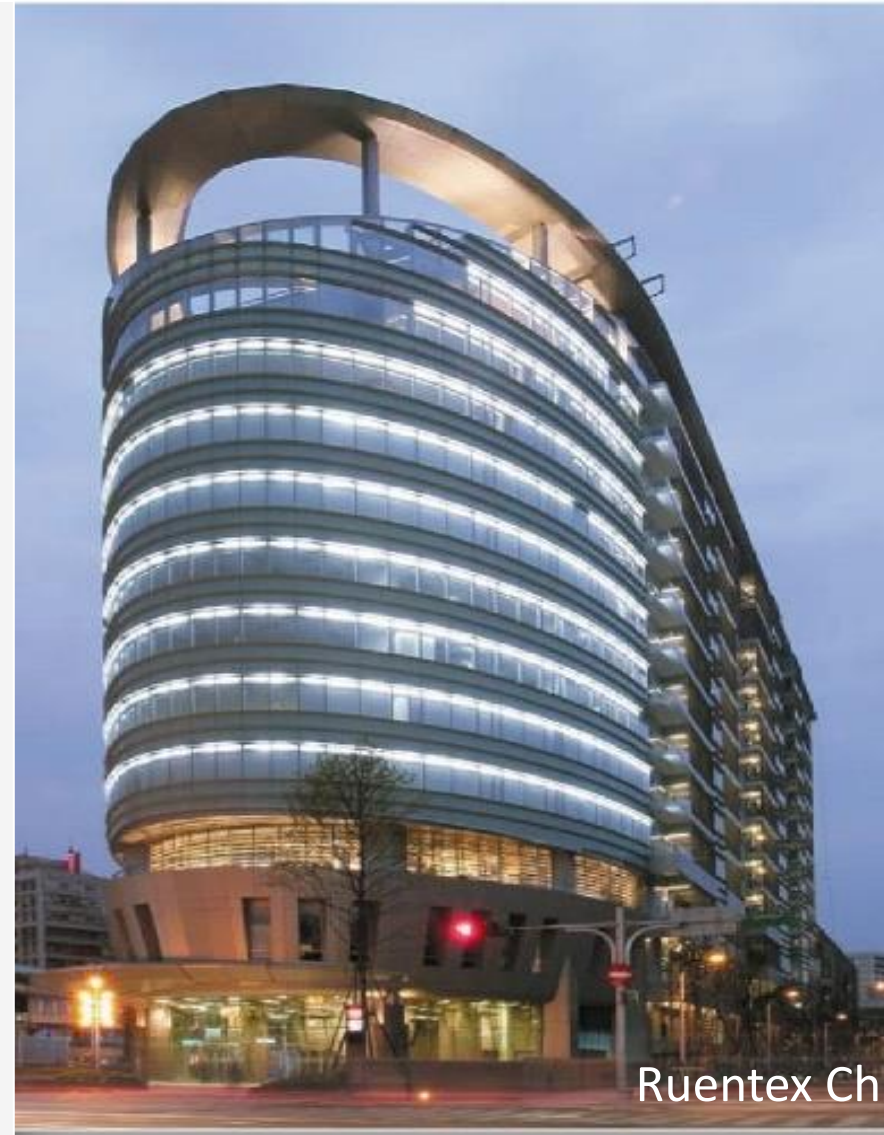
General Manager Wei-Han Mo

Disclaimer

- This release is based on current subjective and objective factors as of the date of this release in summarizing and evaluating the past and current performances. If this release includes forward-looking statements, these forward-looking statements are subject to risks, uncertainties and assumptions that may cause actual results to differ materially from what may be expressed or implied by such statements.
- All statements in this release makes no representations, indications or guarantee as to the accuracy, completeness and reliability, and does not represent a comprehensive report for the subsequent development of the company or related industries.
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Outline

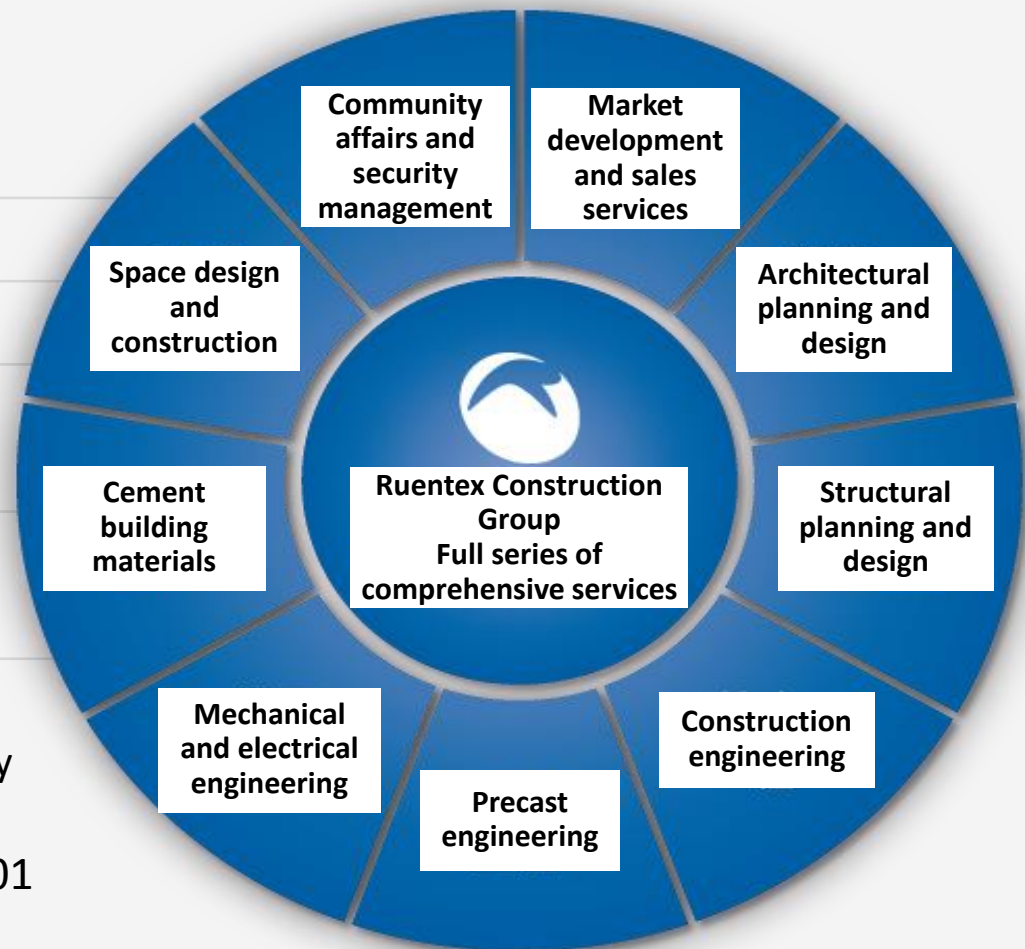
- **Company features**
- **Business performance**
- **Business strategy**
- **Future outlook**



Introduction of Ruentex Engineering & Construction Co., Ltd.



Date of establishment:	November 1975
Paid-in Capital:	NT\$1.35 billion
Chairman:	Shih-Hsun Lai
General Manager:	Wei-Han Mo
No. of Employees:	700
Quality/Safety and health certification:	ISO9001 (2008 International Quality Standards) TOSHMS & OHSAS 18001 (Occupational safety and health)



Comprehensive value-added solutions to quickly integrate the construction team

Basic information

➤ Grade A Construction Company

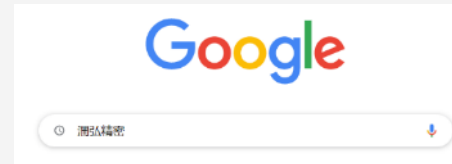
- Civil engineering design and construction
- Comprehensive value-added solutions to quickly integrate the construction team

➤ Mechanical and electrical engineering company

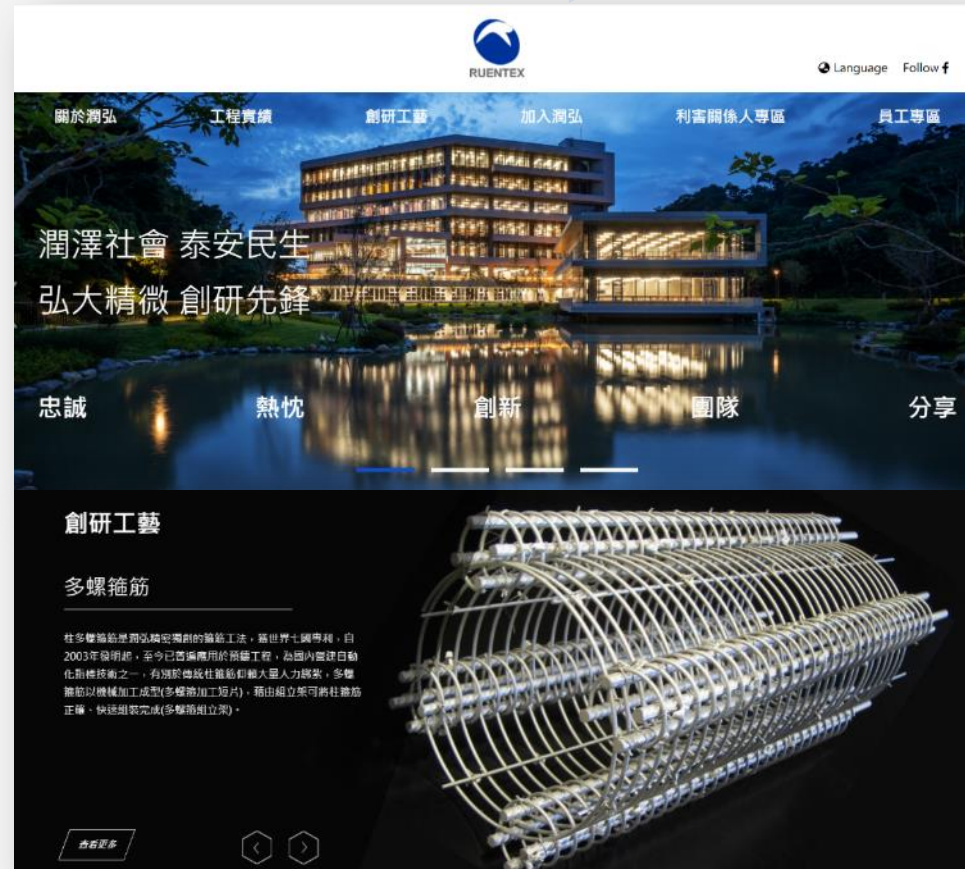
- Mechanical and electrical system engineering design and construction

➤ Precast factory

- Design and construction of precast wall and precast structure
- Core precast technology
- Leading innovative R&D in the industry
- Precast structure by special construction method
- Production and sales of precast concrete products



rtc.com.tw



Subsidiary—Ruentex Materials



- **Shareholding %: 39.15%**
- R&D, production and sales of cement and RT mix (cement formula)
- The developed offshore wind power grout has obtained certification from an authoritative institution, and has tapped into the wind power supply chain



- **Abundant RT mix product lines**
 - Mortar
 - Finish gray
 - Fix
 - Filling material
 - Non-shrinkage grout
 - Self-leveling floor screed
 - Waterproof



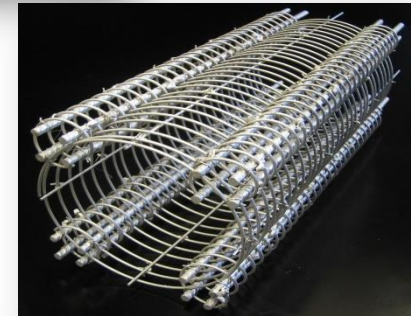
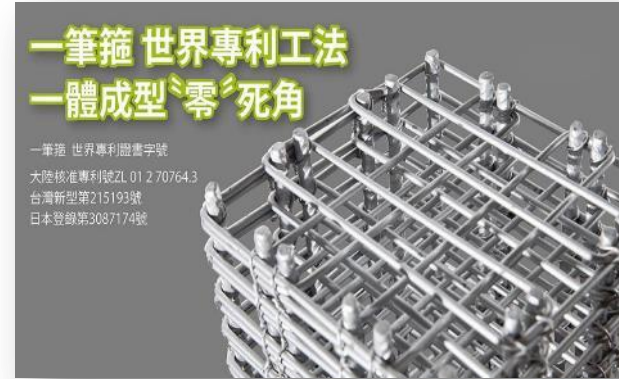
Ruentex Features



- Comprehensive and rapid integration
- Fast construction method, precision precast
- Innovative R&D, patented technology
- Mechanical and electrical MRO, sustainable maintenance
- 4D BIM
- E-management, SAP ERP

Leading R&D Technology-based

- Already obtained 623 patents (including 14 U.S. patents)
- 86 patents pending
- Develop and promote precast housing to solve the problem of insufficient workforce
- Development and application of new precast construction
- Optimizing construction method of tech offices and business areas, and deploying global patents
- Construction technology and equipment upgrade



Precast products

Prestressed Precast roof slab



Prestressed Precast double-T slab



Grid Precast waffle slab



Precast exterior wall (Decorative stone)



Precast
Factory

Precast beam



Precast column



Precast exterior wall (rubber mold concrete)



Precast construction - Fast, precise and environmentally friendly



Main beam installation



secondary beam installation



Metal Deck installation



Reinforcement for Beam-column joint



Reinforcement and concrete casting for floor



Floor grout



Next floor

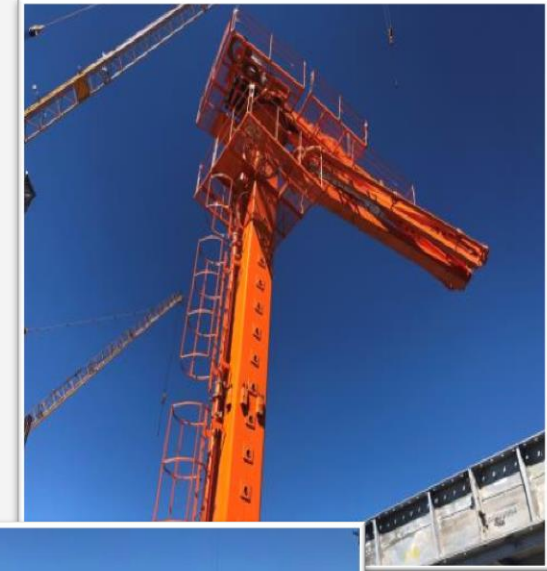


Column installation



Introduction of new equipment and technology

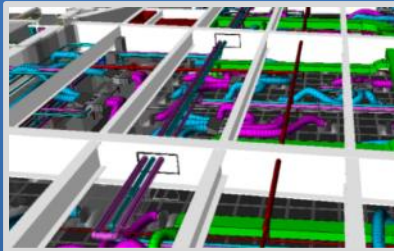
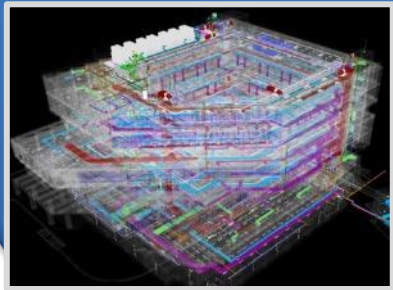
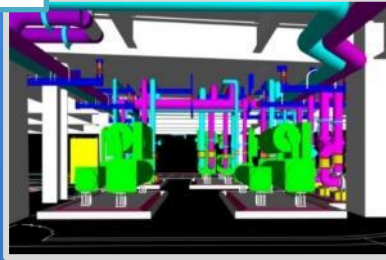
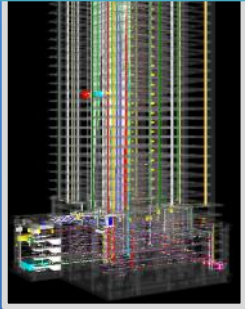
- First for applying **aluminum mold, concrete distributor** and other equipment
- **Improve construction efficiency and solve the problem of labor shortage**



Mechanical and electrical features

Building life cycle

Design: 4D review + BIM



Construction:
Inspection

施工/模型導覽管線作位置

- 1. 施工前現場透過施工模型導覽, 可即時預先查看該施工位置機電管線之高度、路徑位置作為施工前之查核。
- 2. 施工人員可藉著現場管線配置, 提供機電管線作精確度, 避免重工, 提高現場施工效率。
- 3. 施工完成後與模型比對。



本圖中可清楚看到施工位置與模型參照

施工進度/模型導覽管線

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施工進度/模型導覽管線



Maintenance
Repair and
Overhaul (MRO)



Mechanical and electrical features

User-centered design

裡應外合的防災排煙法

一般作法

遇到火災發生時，濃煙四塞，一般大樓因為排煙設計缺乏整體考量，往往會在樓梯間形成煙泡效應，將濃煙吸入至逃生樓梯間內，逃生樓梯間反而成為死亡陷阱。

潤泰工學作法

在逃生樓梯間的低樓層設置正壓風機(接緊急電源)，頂層設置重力型洩壓風門，當發生火警，正壓風機將新鮮空氣送入逃生樓梯間，自然形成正壓環境，逃生樓梯間風壓大於火場風壓情況下，濃煙無法侵入逃生樓梯間¹；另於逃生門增設磁簧開關²，在門開啟30秒未關閉時，訊號便會通知警衛室，確保住戶逃生安全。



消防設備不故障，小小洩壓閥功勞大

一般作法

一般大樓的消防供水系統，如果少了洩壓閥，消防設備容易因操作不良、管內壓力過高¹而破裂漏水²，甚至造成消防泵浦故障³，使救災無水可用，危害安全。

潤泰工學作法

觀察所有的消防泵浦，在主管路加設洩壓閥¹，當管內水壓異常，超過標準設定值時，消防管內水就會迴流到消防水池，因此不會對消防設備造成破壞，危及救災滅火效率，更不會因漏水而浪費水資源及災害。



當層換氣，臭味不再干擾

一般作法

將浴廁抽風排氣管接至管道間排放¹，當屋頂風壓大時臭氣逆流，易經由管道間縫隙及抽風排氣管滲入室內，造成浴廁嚴重臭氣污染。

潤泰工學作法

將浴廁抽風排氣管採用當層室外排放²，並於抽風機內設置逆止風門³，同時浴廁管道間每層均以防火材料隔斷阻絕⁴，加上管道間牆確實密封，如此可室內防臭，空氣清新更舒適。



明管配置動動腦，室內空間高一截

一般作法

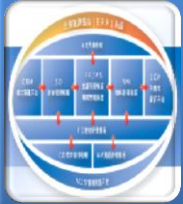
消防法規中規定，灑水管必須以明管配置，因此一般慣例為方便起見，將灑水管直接配置於樓梯或樓板下¹，造成室內高度降低，空間壓迫感增大。

潤泰工學作法

摒棄一般灑水管全部直接配置於樓梯下緣的下灑式作法，配合空間規劃，將部分灑水管路向上提高至樓梯，採側灑式作法²，因此住戶可使用的室內高度增加很多，居家不會有壓迫感。



Information transparency, e-management, function and enhancement



ERP(SAP)

- Integrate all business information



BIM planning technology

- Provide integrated information



CRM information transparency

- Enhancing communication efficiency with customers



e-Learning passport

- Digital learning to enhance capabilities



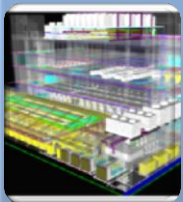
PAD fully upgraded

- Mobile management



R&D website/KM

- Technology inheritance and knowledge sharing



MRO

- 3D maintenance and repair disc



CCTV

- Zero distance management and communication

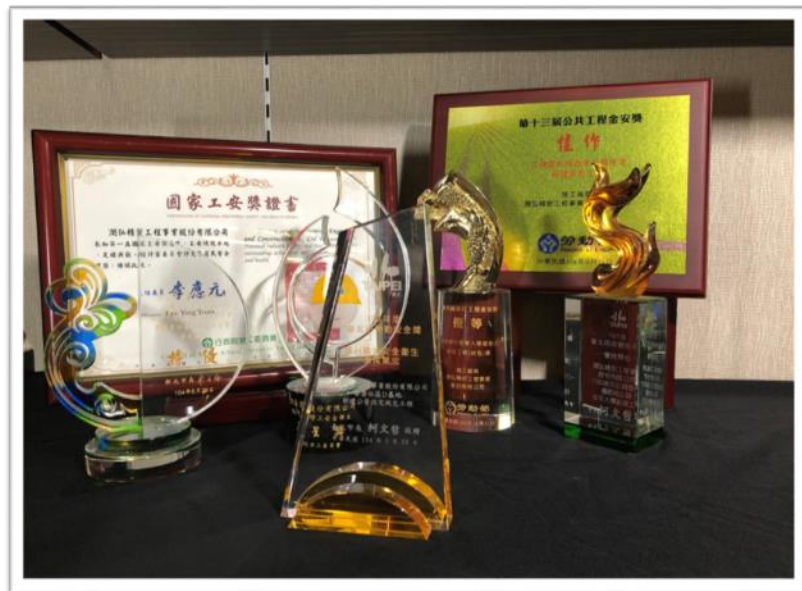
2020 Achievements and Awards – Quality

- First Prize in the 21st National Golden Award for Architecture – Construction Quality (Trans Globe Mu Jiaoxi)
- First Prize in the 21st National Golden Award for Architecture – Planning and Design (Hope Plaza)
- Received excellent award in “19th Public Construction Golden Quality Award” in 2019 (Sanxia public housing)
- 2019 “New Taipei City Public Works Excellence Award” (Sanxia public housing)



2020 Achievements and Awards – Safety and Health

- Excellent Occupational Safety and Health Institutions Promoted by the Ministry of Labor (Sanxia public housing)
- Promote the Excellent Occupational Safety and Health Public Works and Excellent Personnel Award – Jinan Award

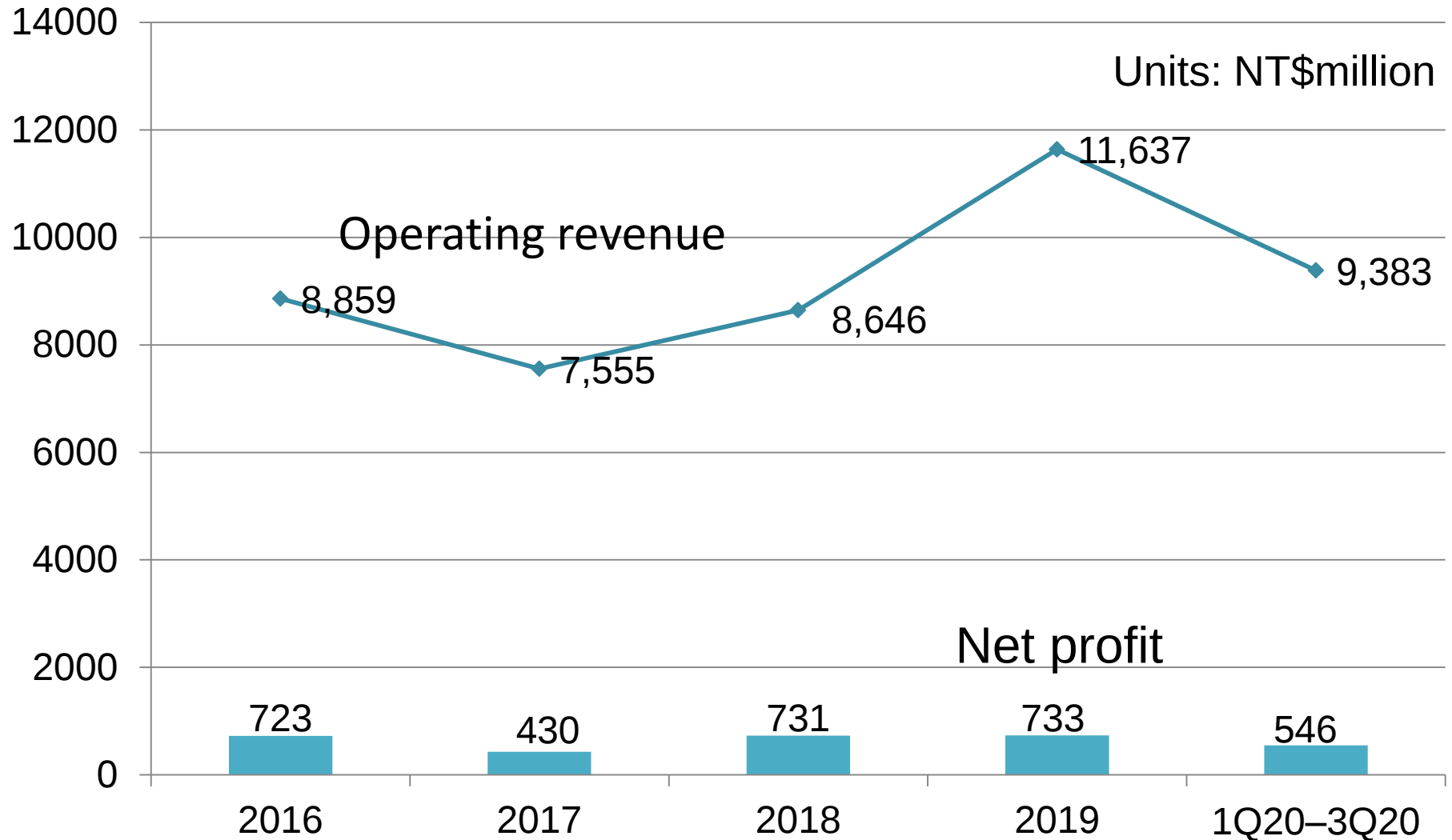




Business performance



Revenue in the most recent 5 years (consolidated)



2018–2020 consolidated sales

Units: NT\$ thousand

	2018	2019	1Q20–3Q20
Operating revenue	8,646,070	11,637,322	9,383,056
Gross profit	1,310,270	1,432,686	1,094,133
Operating expense	677,804	714,530	570,442
Operating income	632,466	718,156	523,691
Non-operating income	228,415	164,561	131,477
Pretax profit	860,881	882,717	655,168
Net profit	731,562	733,133	546,410
Net profit attributable to the parent company	660,906	679,710	507,135

Note: The above information is the consolidated financial results.

2018–2020 consolidated assets

Units: NT\$ thousand

Year	2018	2019	1Q20–3Q20
Total assets	9,939,516	11,129,848	11,542,141
Total debt	4,475,576	5,849,449	6,513,277
Shareholders' total equity	5,463,940	5,280,399	5,028,864
Share capital	1,350,000	1,350,000	1,350,000
Net value per share (NT\$)	29.83	28.57	26.79
EPS (NT\$)	4.9	5.03	3.76

Dividend payout in the most recent 5 years

Year	2015	2016	2017	2018	2019
EPS	5.14	4.5	2.55	4.9	5.03
Cash dividend	4.6	4	2.35	4.8	4.5
Dividend payout ratio	99.00%	97.00%	97.92%	98.90%	98.86%
Yield	10.20%	8.80%	6.28%	7.79%	6.76%

Contract engineering

Project name	Type	Contract period													
		←	2020				2021				2022				→
1. The Silk Court	Civil construction (innovative)														
2. Ruentex Awesome	Civil construction (innovative)														
3. Ruentex Ding Fong	Civil construction (innovative)														
4. Ruentex Wen Hua	Civil construction (innovative)														
5. 6 MRT sites in Sanchong	Civil construction (innovative)														
6. Lihe Sec. government-led urban renewal	Civil construction (innovative)														
7. Ruentex Home	Civil construction (innovative)														
8. Wolong St.	Civil construction (innovative)														
9. Wugu A	Civil construction (innovative)														
10. Wugu B	Civil construction (innovative)														
11. Qingtian St.	Civil construction (innovative)														
12. Nangang Yucheng Section	Civil construction (innovative)														
13. Taipei Veterans General Hospital Heavy Ion Therapy (Hitachi)	Civil construction (others)														
14. Special construction 5 (SC5) – PC	Civil construction (others)														
15. M project	Civil construction (others)														
16. Tech company – P4	Civil construction (others)														

Contract engineering

Project name	Type	Contract period													
		←	2020				2021				2022				→
17. Jiangling exterior wall	Civil construction (others)														
18. Tech company – RD1	Civil construction (others)														
19. Tech company – P5	Civil construction (others)														
20. Tech company – P6	Civil construction (others)														
21. IKEA Qingpu	Civil construction (others)														
22. Special construction 4 (SC4)	Civil construction (others)														
23. Bentley	Civil construction (others)														
24. Hope Plaza	Civil construction (others)														
25. Phison 5	Civil construction (others)														
26. Amaran Biotech	Civil construction (others)														
27. Factory C of Project T	Civil construction (others)														
28. Yeong Guan – Taichung	Civil construction (others)														
29. Phison 3-Dimensional Parking Lot	Civil construction (others)														
30. Coni Chiayi	Civil construction (others)														
31. Chungli No.1	Public construction														
32. National Taipei University of Nursing and Health Sciences	Public construction														

Business performance — construction in progress



As of September
2020

- The total contract amount for the construction is NT\$46.1 billion
- As of 3Q20, a total of NT\$18.7 billion has already been recognized.
- NT\$27.4bn of the contract amount has not yet been recognized.

Additional orders for Ruentex in 2020



➤ Additional orders in January–October, 2020

1. Additional plant construction of Amaran Biotechnology Inc. in Hsinchu Biomedical Science Park
2. New construction of Coni Beauty International Co., Ltd. Chiayi Factory
3. New construction of Phison's Zhunan 5 Electronic Factory Building
4. New construction of Yu San Motors in Longfu Sec., Xitun Dist.
5. Ruentex Innovative Construction – Wolong St.
6. Ruentex Innovative Construction – Ruentex Home
7. TSMC F18P4A1B1 precast
8. TSMC F18P4A2B2 precast
9. Ruentex Innovative Construction – Wugu B
10. Ruentex Innovative Construction – Wugu A
11. T Project – New Construction of Southern Taiwan Science Park Packaging and Testing Factory C



Additional orders for Ruentex in 2020



➤ Additional orders in January–October, 2020

- 12. Guangfu S. Road – PC precast
- 13. TSMC RDP1 – A1&B1 precast
- 14. TSMC RDP1 – A2&B2 precast
- 15. Ruentex Demolition Project – Qingtian St.
- 16. TSMC F18P5 precast
- 17. RT-Mart Chung-Lun Renovation Project
- 18. Ruentex Innovative Construction – Yucheng Section
- 19. Renovation of new TransGlobe Life Taipei City construction, including the main landscape S6 square pavement and anti-flood valve
- 20. Factory 6 of Project T
- 21. New preliminary construction agreement for Phison's electronic factory and loading/unloading parking space
- 22. RT-Mart Chung-Lun Renovation Project



Bidding projects

Type	Estimated cost	Remarks
Civil construction	NT\$28.2 billion	Nangang, Songjiang, and Heart of Nangang
Office and Business Area	NT\$10.9 billion	Taichung, Tainan, Hsinchu and other tech offices and business areas
Public construction	NT\$1.8 billion	Taipei City Social Housing
Special case	NT\$3.6 billion	Religious group



Total of NT\$44.5 billion



Business strategy



Profitable

- The return of Taiwan companies and investment of foreign tech manufacturers to set up factories in Taiwan
- New generation TSMC factory
- Precast products are progressively becoming mature products under severe labor shortage.
- Domestic and foreign companies have been attracted to the brand Ruentex.
- The Group has abundant resources, and talents from various fields with the ability for horizontal and vertical integration, which can help create niche products for the Company.
- Leading R&D innovation in the industry which enhances company value and features.

Target customers – actively building the customer base



- **Plant investment of high-tech manufacturers and foreign companies**
 - Major international companies have invested in Taiwan and built data centers, while several international companies are currently under negotiation.
 - Ruentex is selected as a foreign investment target as it is experienced in plant construction and integration.
 - Actively seize contract opportunities in the high-tech industry (wafer, optoelectronics, DRAM).
- **General offices and business areas**
 - With the various opportunities, precast can meet company requirements during tight construction schedules.
 - Adopting the new SRC construction method for commercial office buildings to create customer value.

Target customers – maintaining customer relationships



- **Urban construction project**

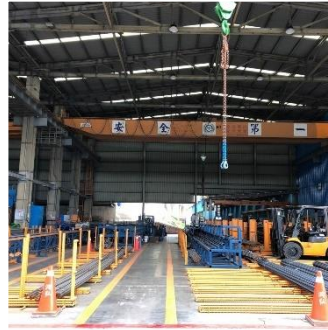
- **The parent company's innovative project** is estimated at NT\$100 billion for the next 10 years.
- Government-led urban renewal/reconstruction of urban unsafe and old buildings

- (Source: ETtoday News Cloud › ETtoday Real Estate Cloud, 14:30, June 9, 2020)

- **Public construction**

- Social housing
 - **Corporate social responsibility**
 - **Provide excellent construction quality**
- Other public works, government-led urban renewal, market reconstruction

Development strategy



Leading R&D
Technological innovation



Precast Technology-based
Developing automated
construction



Value integration services
Reputation, trust, and
mutual support

Future outlook

- **Innovative R&D/building construction**
 - Adhere to innovative R&D and optimization of construction quality
 - Introduce new construction methods and new technologies
 - Replacement of traditional formwork with aluminum formwork, and replacement of steel bar binding with continuously wound bars or wires, in order to reduce labor requirements by precast products, and leading the industry in changing traditional construction methods.
- **Active development/business growth**
 - Market expansion and revenue growth.
 - Generate profits for shareholders and give back to society.





Thank you

Ruentex Engineering &
Construction

