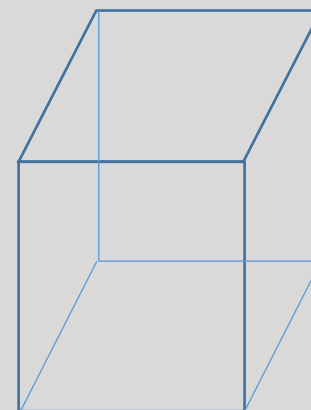


台灣半導體(股)

群益證券 4Q22 實體投資論壇



免責聲明

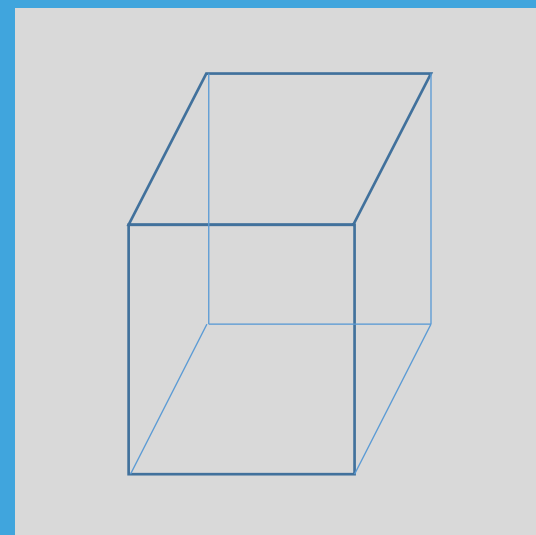
簡報所提供之資訊可能含有前瞻性敘述，實際結果可能與這些前瞻性敘述大不相同。簡報資料中所提供之資訊並未明示或暗示的表達或保證其具有正確性及完整性，亦不代表台灣半導體股份有限公司(本公司)對產業狀況或後續重大發展的完整論述。

簡報內容

- 營收報告
- 財務資訊
- 法人提問

營收報告

台灣半導體(股)

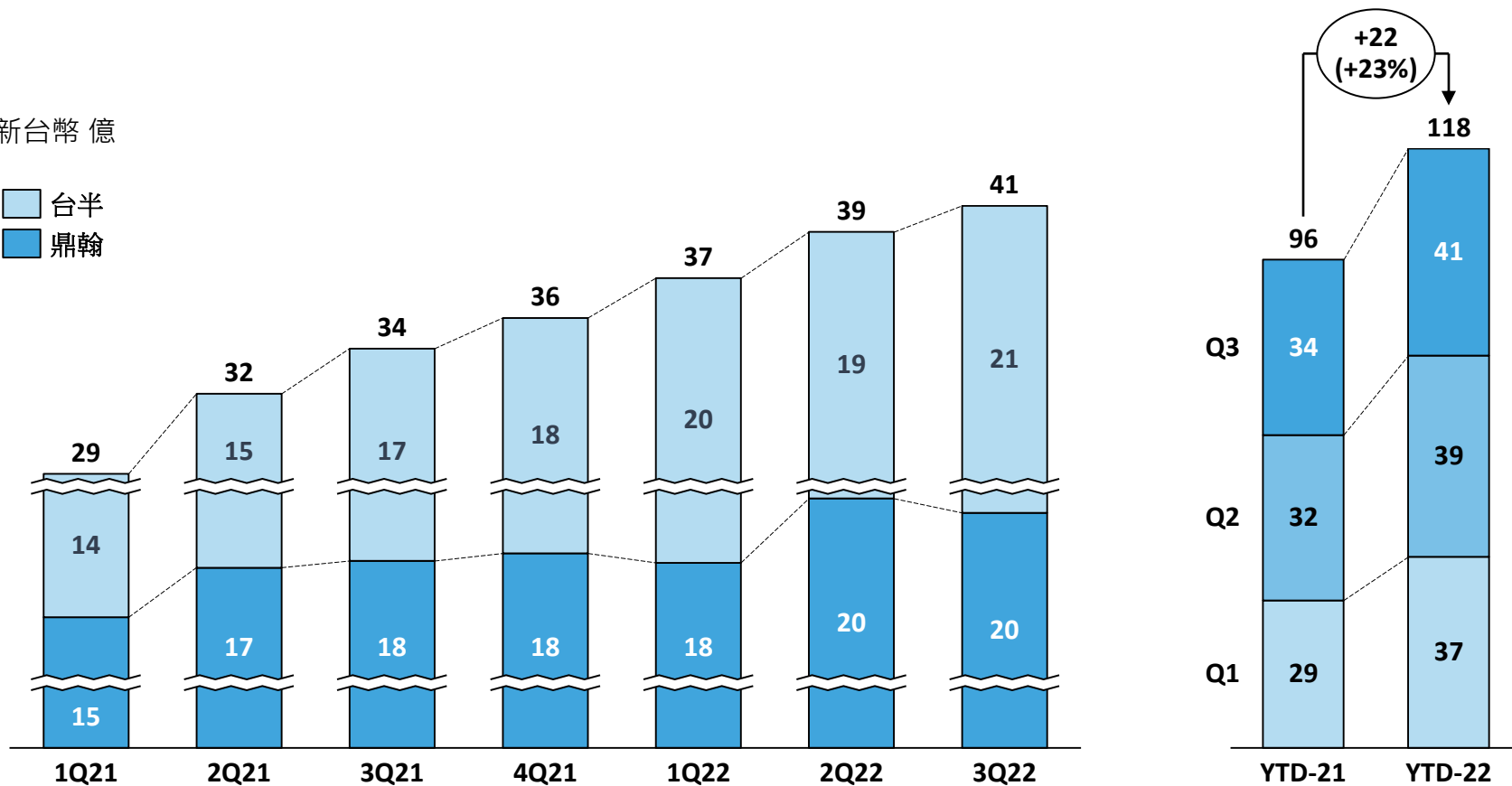


營收報告

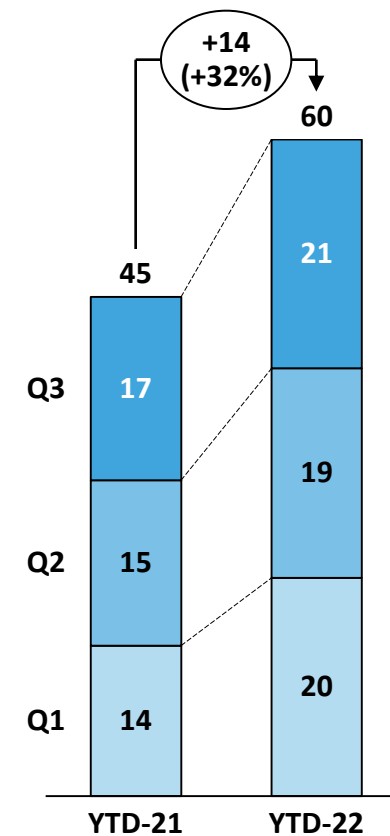
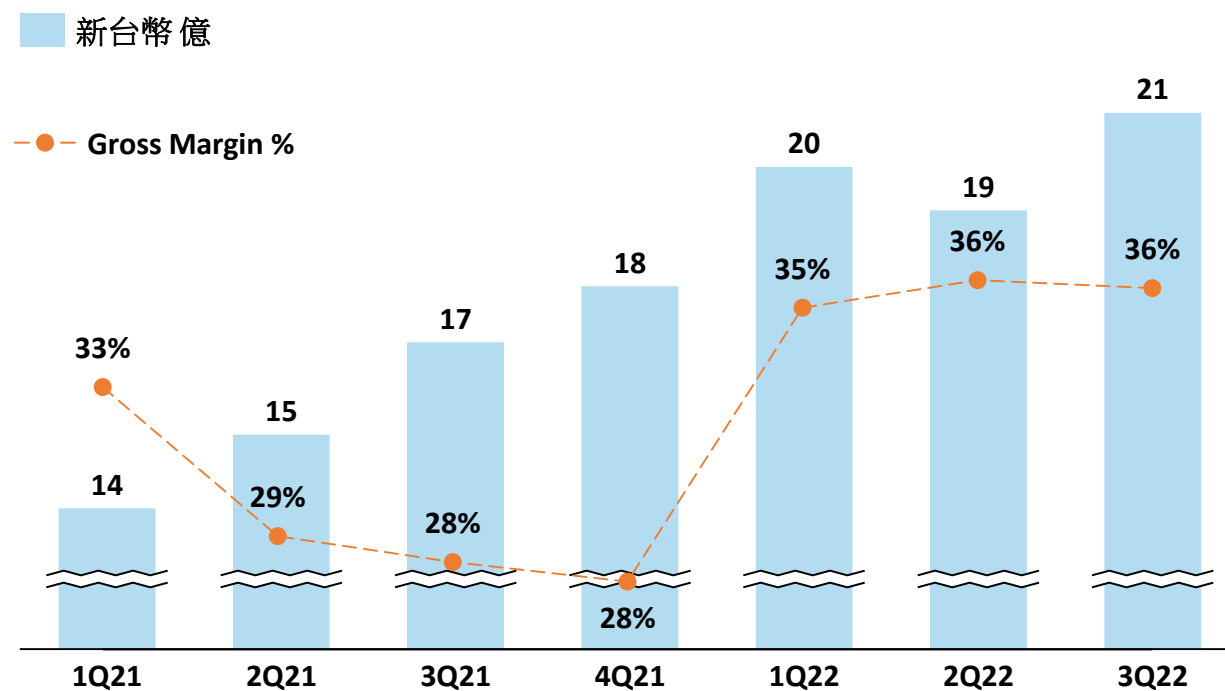
(集團合併營收)

新台幣 億

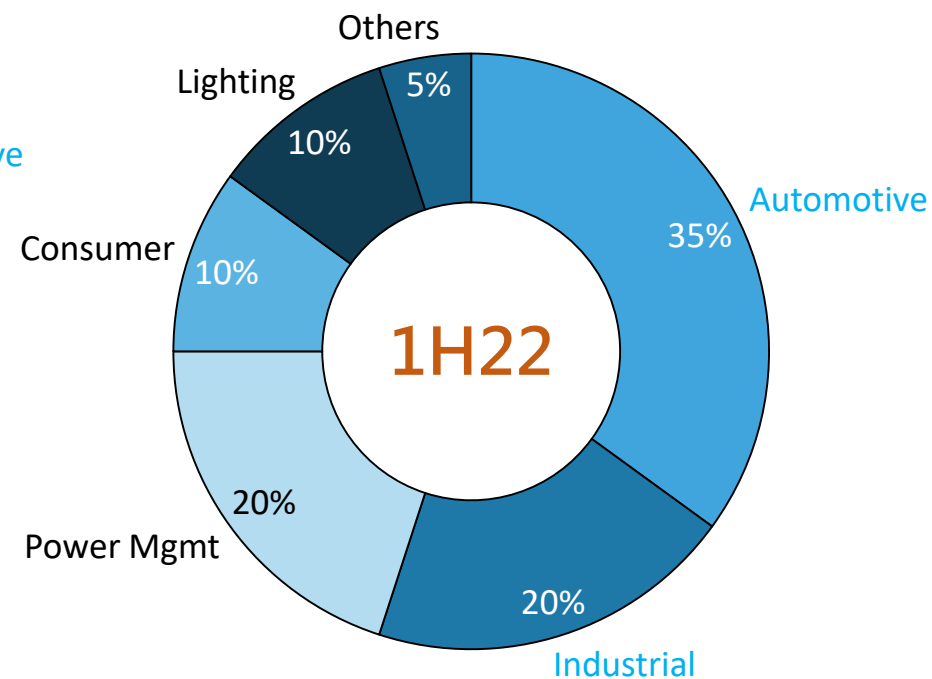
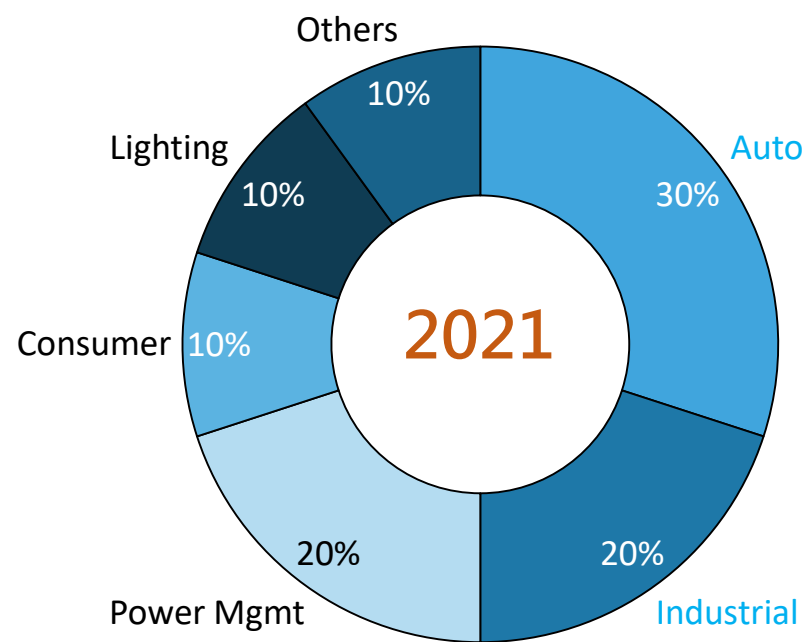
台半
鼎翰



營收 與毛利率 (台半)



營收分佈 (台半)



產品佈局 (台半)

Discrete Devices

Bridge Rectifier

- Standard Bridge
- Fast Recovery Bridge
- High Efficiency Recovery Bridge
- Super Fast Recovery Bridge
- Schottky Bridge



Diode

- Standard Rectifier
- Fast Rectifier
- High Efficient Rectifier
- Super Fast Rectifier
- Ultra Fast Rectifier
- Schottky Rectifier
- ESD Diode & Array
- Switching Diode & Array
- Zener Diode & Array
- TVS



Transistor

- NPN Bipolar Transistor
- PNP Bipolar Transistor

MOSFET

- N-Channel
- P-Channel
- Super Junction
- Complementary



Power Management ICs

Amplifier & Comparator

Analog IC

- Voltage and Current Controller

Linear Voltage Regulator

- Standard Linear Voltage Regulator
- Low Dropout Voltage Regulator
- Ultra Low Dropout Voltage Regulator

Voltage Reference

- 1.24V Reference Voltage
- 2.495V Reference Voltage

Hall Effect Sensor

- Omni-Polar
- Unipolar
- Latch
- Linear

Lighting IC

- AC-DC LED Lighting IC
- DC-DC LED Lighting IC
- Linear LED Driver

Switching Regulator

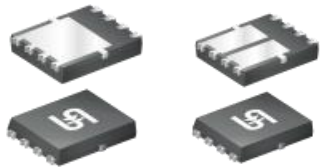
- DC/DC Converter (Integrated Switch)
- DC/DC Controller (External Switch)



67% AEC-Q Products

4,400+ AEC-Q Qualified

車用產品佈局



product count % by category (std. vs. auto grade)

| Diodes | trr ns | Grade | |
|----------------|-------------------------|-------|------|
| Category | 10 ⁻⁹ second | Std | Auto |
| Bridge (std.) | | 1 | 0.7 |
| Zener | | 1 | 0.3 |
| Std. | | 1 | 0.8 |
| Fast | 120~500 | 1 | 0.7 |
| Bridge (fast~) | 35~500 | 1 | 1.2 |
| HE | 50~80 | 1 | 1.5 |
| Super | 35~40 | 1 | 1.7 |
| Ultra | 15~30 | 1 | 3.5 |
| Scky-P | | 1 | 1.4 |
| Scky-T | | 1 | 1.0 |
| TVS | | 1 | 2.0 |
| MOSFET-Dual | | 1 | 0.3 |
| MOSFET-Single | | 1 | 0.1 |

- Std. grade serves as benchmarking base
- Advanced spec products have more auto grade than std.
- MOSFETs are design-in more auto grade

全球功率半導體
Supplier Revenues

| 2021 | Company | Revenue (USD M) |
|------|------------------------|-----------------|
| 1 | Infineon Technologies | 3,680 |
| 2 | Onsemi | 1,690 |
| 3 | STMicroelectronics | 1,640 |
| 4 | Toshiba | 1,020 |
| 5 | Vishay Intertechnology | 960 |
| 6 | | 690 |
| 7 | | 670 |
| 8 | | 630 |
| 9 | | 600 |
| 10 | | 520 |
| 11 | | 510 |
| 12 | | 470 |
| 13 | | 460 |
| 14 | | 370 |
| 15 | | 310 |
| 16 | | 300 |
| 17 | | 290 |
| 18 | | 280 |
| 19 | | 250 |
| 20 | | 240 |
| 21 | Taiwan Semiconductor | 230 |
| 22 | | 170 |

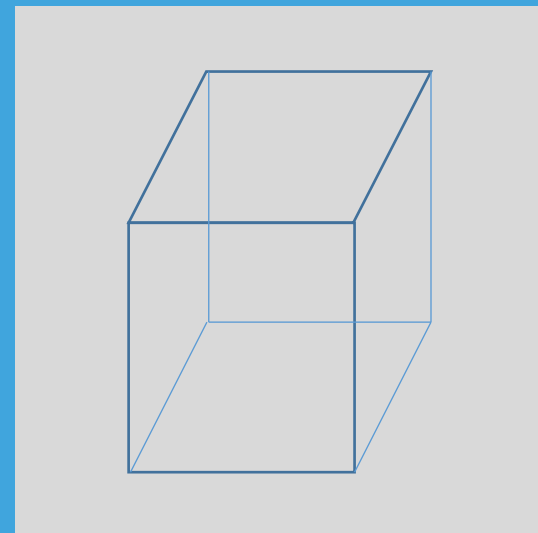
\$900 M

\$600 M

\$300 M

台灣半導體(股)

財務資訊



財務資訊

(3Q22)

| NT\$ 億 | Taiwan Semi | | | | | Group | | | | |
|---------------------|-------------|-------------|-------------|-------------|--------------|-------------|-------------|-------------|-------------|--------------|
| | 3Q22 | | 3Q21 | | YoY | 3Q22 | | 3Q21 | | YoY |
| | Amnt | % | Amnt | % | % | Amnt | % | Amnt | % | % |
| Net Revenue | \$20 | 100% | \$17 | 100% | 17% | \$40 | 100% | \$35 | 100% | 14% |
| Gross Margin | 7 | 36% | 5 | 28% | 6 bps | 14 | 35% | 11 | 31% | 4 bps |
| S&M | 2 | 8% | 1 | 8% | 12% | 3 | 8% | 3 | 8% | 14% |
| Admin | 1 | 6% | 1 | 5% | 27% | 2 | 6% | 2 | 5% | 19% |
| R&D | 0 | 1% | 0 | 1% | 26% | 1 | 2% | 1 | 2% | 11% |
| OPEX | 3 | 15% | 3 | 15% | 0 bps | 6 | 16% | 6 | 16% | 0 bps |
| Ops Income | 4 | 21% | \$2 | 14% | 7 bps | \$7 | 19% | \$5 | 15% | 4 bps |

Group: Taiwan Semi + Auto ID

財務指標 (3Q22)

盈餘指標 (基本)

- 3Q22 累計 5.03(股/新台幣 元)
- 3Q21 累計 2.46
- 2021 全年 3.55
 - 現金股利 2.50
 - 配息率 70%

現金流量 (累計)

- 期末現金 30億 (新台幣)
- 營業活動流入 12億
- 投資活動流出 5億
 - 設備&廠房 3億

獲利能力 (3Q22 vs. 3Q21)

- G. Margin% 35% vs. 31%
- Ops Income% 19% vs. 16%
- Net Income% 16% vs. 11%

財務比率 (vs. Dec21)

- Debt 42% vs. 42%
- Current 189% vs. 206%
- Quick 123% vs. 145%

台灣半導體(股)

Taiwan Semi

Your Reliable Partner

Q & A

