Financial Results for the Six Months ended June 30, 2013

July 31, 2013



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Financial Results for the Six Months ended June 30, 2013



1. Highlights of the Financial Results



Summary of the Financial Results

| | | 2Q | | | |
|-------|------------------|--------|--------|--------------|------------------|
| | | FY2012 | FY2013 | 増減 Change | % 増減 Change % |
| 売上高 | Net sales | 2,979 | 3,321 | +342 | +11.5% |
| 営業利益 | Operating income | 238 | 183 | -55 | -23.1% |
| 経常利益 | Ordinary income | 240 | 172 | -68 | -28.3% |
| 当期純利益 | Net income | 133 | 94 | -39 | -29.4% |

| 1-2Q累計 (1-2Q Total) | | | | |
|----------------------------|--------|---------------|--------|--|
| FY2012 | FY2013 | / 2013 | | |
| 5,833 | 6,384 | +552 | +9.5% | |
| 480 | 341 | -139 | -29.0% | |
| 476 | 328 | -148 | -31.1% | |
| 311 | 170 | -140 | -45.2% | |

| 売上高営業利益率 | Operating profit margin | 8.0% | 5.5% |
|----------|-------------------------|------|------|
| ROE* | Return on equity | 6.2% | 3.7% |

| 8.2% | 5.3% |
|------|------|
| 7.5% | 3.4% |

| 為替レート(期中平均) | JPY/USD | 80.20 | 98.76 |
|---------------|----------------|--------|--------|
| FOREX Average | JPY/EUR | 102.91 | 128.95 |
| 原油 Crude Oil | \$/BBL (Dubai) | 106.4 | 100.8 |

| 95.59 | 79.74 |
|--------|--------|
| 125.50 | 103.45 |
| 104.5 | 111.3 |

^{*} Return on Equity = Net Income / (Shareholders' Equity (average) + Accumulated other comprehensive income(average))



Highlights of the Financial Results

[For the six months ended June 30, 2013]

Net Sales 638.4 billion yen (up 55.2 billion yen YoY)

Operating Income 34.1 billion yen (down 13.9 billion yen YoY)

The Group's sales increased thanks to the impacts of changes in exchange rates and the scope of consolidation, in addition to increased shipments of electronics-related products. The Group's profits fell, affected by the price decline mainly in the architectural glass business in Europe.

Rising energy prices gave pressure on the Group's profit and loss.



Consolidated Statements of Income

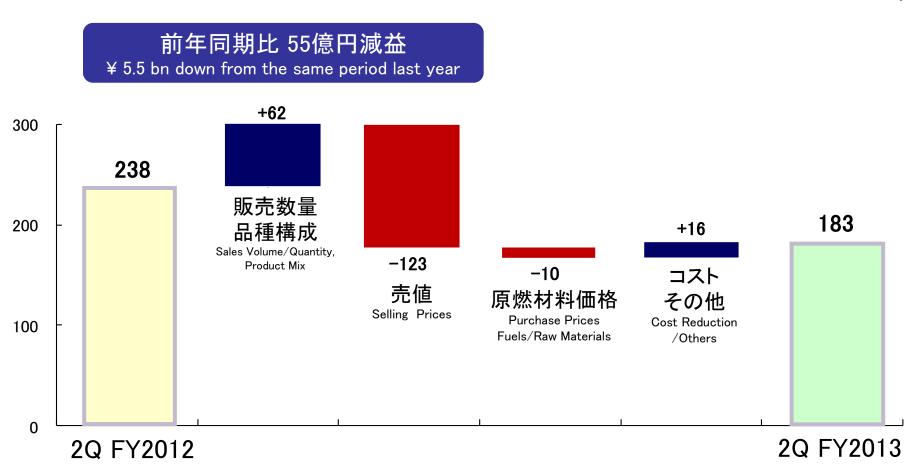
| | 2Q | | | |
|--|--------|--------|-------------------|--|
| | FY2012 | FY2013 | 増減 Change | |
| 売上高 Net Sales | 2,979 | 3,321 | +342* (+11.5%) | |
| 営業利益 Operating income | 238 | 183 | -55* (-23.1%) | |
| 営業外損益 Non-Operating income (losses) | 2 | -11 | | |
| 金融収支 Interest & Dividend | 3 | 5 | | |
| 持分法損益 Equity in earnings of unconsolidated companies | 3 | 4 | | |
| その他 Others | -4 | -20 | | |
| 経常利益 Ordinary income | 240 | 172 | -68 (-28.3%) | |
| 特別損益 Extraordinary gains (losses) | -23 | -31 | | |
| 税引前利益 Income before tax | 217 | 141 | -76 (-35.1%) | |
| 法人税等 Income taxes | 74 | 36 | | |
| 少数株主損益 Minority interest in earnings (losses) of consolidated subsidiaries | 10 | 11 | | |
| 当期純利益 Net income | 133 | 94 | -39 (-29.4%) | |

| 1 −2Q 累計 (1−2Q Total) | | | | |
|------------------------------|--------|-------------------|--|--|
| FY2012 | FY2013 | 増減 Change | | |
| 5,833 | 6,384 | +552* (+9.5%) | | |
| 480 | 341 | -139* (-29.0%) | | |
| -4 | -13 | | | |
| -7 | -3 | | | |
| 10 | 5 | | | |
| -6 | -14 | | | |
| 476 | 328 | -148 (-31.1%) | | |
| -13 | -53 | | | |
| 463 | 276 | -188 (-40.5%) | | |
| 130 | 92 | | | |
| 23 | 13 | | | |
| 311 | 170 | -140 (-45.2%) | | |



^{*} Foreign exchange fluctuation resulted in +36.1 billion yen in Net Sales and +0.1 billion yen in Operating Income in 2Q, and +60.6 billion yen in Net Sales and -0.1 billion yen in Operating Income in 1-2Q total.

Variance Analysis on Operating Income (2Q FY2013 vs. 2Q FY2012)



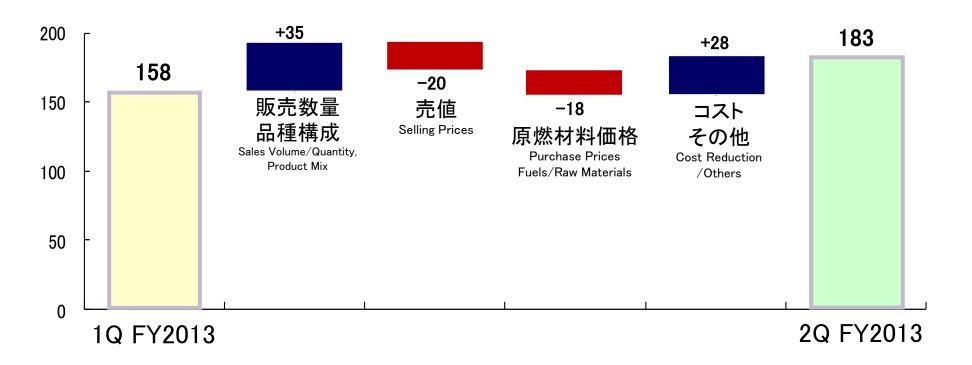


Variance Analysis on Operating Income (2Q FY2013 vs. 1Q FY2013)

億円(100million yen)

前四半期比 25億円増益

¥ 2.5 bn up from last quarter



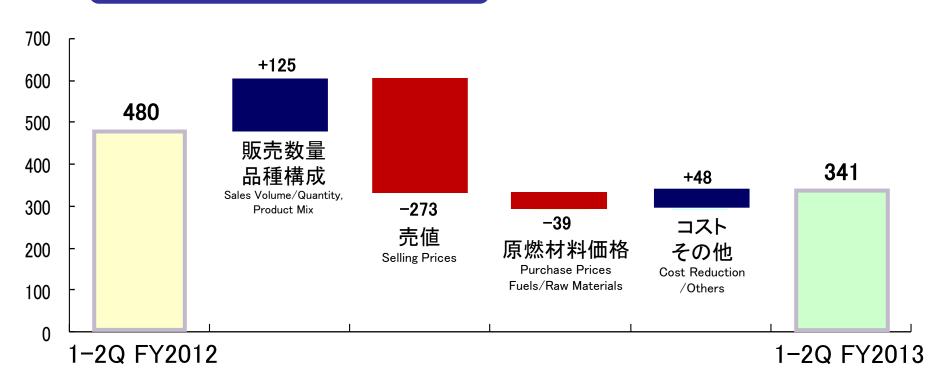


Variance Analysis on Operating Income (1-2Q FY2013 vs. 1-2Q FY2012)

億円(100million yen)

前年同期比 139億円減益

¥ 13.9 bn down from the same period last year





Consolidated Balance Sheets

| | | | 2012/12 Dec. 31, 2012 | 2013/6 Jun. 30, 2013 | 増減 Change |
|---|---------------|-----------------------------------|--------------------------|-------------------------|--------------|
| 資 | 産の部 | Assets | 18,994 | 20,393 | +1,399 |
| 流 | 動資産 | Current assets | 6,512 | 6,872 | +359 |
| | 現金及び預金 | Cash on hand & in banks | 1,005 | 1,179 | +175 |
| | 受取手形及び 売掛金 | Trade notes & accounts receivable | 2,496 | 2,532 | +36 |
| | 棚卸資産 | Inventories | 2,083 | 2,281 | +197 |
| | その他 | Other current assets | 929 | 879 | -50 |
| 固 | 定資産 | Fixed assets | 12,481 | 13,521 | +1,040 |
| | 有形·無形 固定資産 | Tangible-Intangible fixed assets | 10,096 | 10,773 | +678 |
| | 投資有価証券 | Investments in securities | 1,959 | 2,369 | +410 |
| | その他 | Other fixed assets | 427 | 379 | -47 |

| | | | | | , , |
|---|------------------|--|---------------|---------------|---------|
| | | | 2012/12 | 2013/6 | 増減 |
| | | | Dec. 31, 2012 | Jun. 30, 2013 | Change |
| 負 | .債の部 | Liabilities | 9,024 | 9,437 | +413 |
| | 仕入債務 | Payables | 1,189 | 1,217 | +28 |
| | 借入金 (含むCP、社債) | Loans (include CP & Bonds) | 5,330 | 5,603 | +273 |
| | その他 | Other liabilities | 2,505 | 2,617 | +112 |
| 純 | 資産の部 | Net assets | 9,969 | 10,956 | +986 |
| 株 | 主資本 | Shareholders' Equity | 9,840 | 9,862 | +22 |
| | 資本金 | Common stock | 909 | 909 | _ |
| | 資本剰余金 | Additional paid-in capital | 970 | 970 | _ |
| | 利益剰余金 | Retained earnings | 8,263 | 8,282 | +20 |
| | 自己株式 | Treasury stock | -301 | -299 | +2 |
| | の他の包括利益 計額 | Accumulated other comprehensive income | -422 | 505 | +926 |
| 新 | 株予約権 | Share Subscription Rights | 19 | 18 | -1 |
| 少 | 数株主持分 | Minority Interests in Consolidated Subsidiaries | 532 | 571 | +39 |
| 貨 | l債·純資産合計 | Total Liabilities & Net Assets | 18,994 | 20,393 | +1,399* |

| 資産合計 Tota | l Assets | 18,994 | 20,393 | +1,399* |
|-----------|----------|--------|--------|---------|
|-----------|----------|--------|--------|---------|



Consolidated Statements of Cash Flows

| | 20 | Q |
|--|--------|--------|
| | FY2012 | FY2013 |
| 営業活動によるキャッシュ・フロー (a) Cash flows from operating activities (a) | 460 | 471 |
| 税金等調整前純利益 Income before income taxes & minority interests | 217 | 141 |
| 減価償却費・のれん償却・固定資産減損 Depreciation/Amortization/Impairment | 285 | 348 |
| 運転資金増減 Increase (decrease) in working capital | -80 | 27 |
| その他 Others | 38 | -46 |
| 投資活動によるキャッシュ・フロー (b) Cash flows from investing activities (b) | -306 | -355 |
| 固定資産取得 Purchase of property, plant & equipment | -367 | -356 |
| その他 Others | 61 | 1 |
| フリー・キャッシュ・フロー (a)+(b) | 154 | 116 |
| 財務活動によるキャッシュ・フロー Cash flows from financing activities | 9 | -64 |
| 借入金増減 Increase (decrease) in bank loans, bonds & CP | 13 | -57 |
| 支払配当 Dividends paid | 0 | 0 |
| その他 Others | -3 | -7 |
| 現金等に係る換算差額 Effect of exchange rate changes on cash & cash equivalents | -30 | 43 |
| 現金等の増加額 | 134 | 95 |
| Changes in cash & cash equivalents | | |

| 1−2Q 累計 (1−2Q Total) | | | | | |
|-----------------------------|--------|--|--|--|--|
| FY2012 | FY2013 | | | | |
| 922 | 877 | | | | |
| 463 | 276 | | | | |
| 589 | 683 | | | | |
| -65 | -5 | | | | |
| -65 | -77 | | | | |
| -584 | -776 | | | | |
| -700 | -775 | | | | |
| 115 | -1 | | | | |
| 337 | 101 | | | | |
| 500 | -56 | | | | |
| 663 | 113 | | | | |
| -150 | -150 | | | | |
| -13 | -19 | | | | |
| 16 | 111 | | | | |
| 853 | 156 | | | | |



CAPEX, Depreciation & Others

| | | 2 | Q |
|-------|--------------|--------|--------|
| | | FY2012 | FY2013 |
| 設備投資額 | CAPEX | 285 | 352 |
| 減価償却費 | Depreciation | 281 | 343 |
| 研究開発費 | R&D | 117 | 114 |

| 1-2Q 累計 (1-2Q Total) | | | |
|-----------------------------|--------|--|--|
| FY2012 | FY2013 | | |
| 702 | 737 | | |
| 569 | 674 | | |
| 238 | 233 | | |

| | | 2012/12 Dec. 31, 2012 | 2013/6 Jun. 30, 2013 |
|----------|-------------------------|--------------------------|--------------------------------|
| 有利子負債残高* | Interest-bearing debts* | 5,408 | 5,672 |
| D/E比率 | D/E ratio | 0.54 | 0.52 |

^{*} Interest-bearing debts include lease obligations. (7.9 billion yen as of Dec. 31, 2012, 6.9 billion yen as of Jun. 30, 2013)



2. Information by Business and Geographic Segments



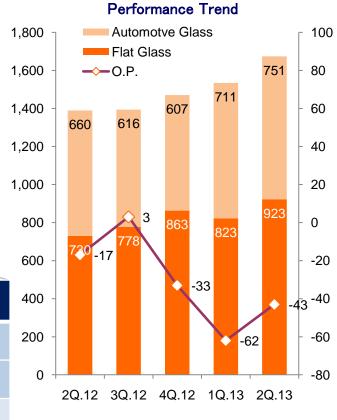
Glass Segment (1)

| / | 14 | ^^ | 2002 | \ |
|----------------|------|-------|---------|-------------------|
| 1戸 円 | (11 |][]m | nıllınr | yen) |
| 1/6/1 3 | \ · | | 1111101 | 1 y O 1 1/ |

| | 売上 Sal | | 営業 Operatin | |
|----------------------|-----------|---------------------|----------------|------------------|
| | FY2012 | FY2013 | FY2012 | FY2013 |
| 2Q | 1,390 | 1,674 (+284) | -17 | -43 (-26) |
| 1-2Q累計 1-2Q Total | 2,782 | 3,207 (+425) | -9 | -106 (-96) |

*()内数字は前年同期比

| 売上高の内訳 Breakdown of Sales | | 小計 Sub total | 日本・アジア _{Japan & Asia} | アメリカ Americas | ヨーロッパ Europe | 消去 Elimination |
|---|----------------------|-----------------|---------------------------------------|------------------|-----------------|-------------------|
| ガラス | 2Q | 1,674 | 792 | 229 | 699 | -46 |
| Glass | 1-2Q累計 1-2Q Total | 3,207 | 1,559 | 439 | 1,306 | -97 |
| 板ガラス | 2Q | 923 | 396 | 94 | 468 | -36 |
| (建築用、ソーラー) Flat Glass : Building & Solar | 1-2Q累計 1-2Q Total | 1,746 | 768 | 183 | 872 | -77 |
| 自動車用ガラス | 2Q | 751 | 395 | 135 | 231 | -10 |
| Automotive Glass | 1-2Q累計 1-2Q Total | 1,462 | 791 | 256 | 434 | -20 |





⁽⁾ shows change from FY2012.

Glass Segment (2)

[YoY comparison for the first six months]

[Architectural Glass]

Japan/Asia : Shipments remained strong.

• Americas : Shipments were on a moderate recovery track.

Europe : Shipments were sluggish and, despite price improvement in some

regions during Q2, price levels fell below the same period last year.

[Automotive Glass]

- In Japan, the Group's shipments decreased, reflecting a drop in auto production in the country.
- In Europe, shipments were on the same level as the previous year despite a decrease in auto production in the region.
- In Asia and North America, shipments remained favorable.

[Glass for Solar Power Systems]

Shipments decreased as the tough competitive environment continued.



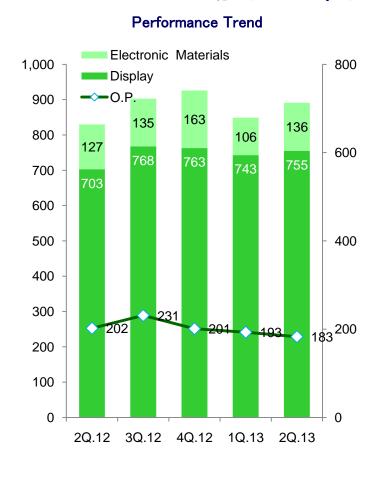
Electronics Segment (1)

億円(100million yen)

| | 売上 Sal | | 営業 Operating | |
|----------------------|-----------|----------------------|-----------------|------------------|
| | FY2012 | FY2013 | FY2012 | FY2013 |
| 2Q | 831 | 891 (+61) | 202 | 183 (-19) |
| 1-2Q累計 1-2Q Total | 1,611 | 1, 740 (+129) | 381 | 376 (-5) |

*()内数字は前年同期比

| 売上高の内訳 Breakdown of Sales | | |
|---|----------------------|-------|
| | 2Q | 755 |
| ディスプレイ Display | 1-2Q累計 1-2Q Total | 1,498 |
| 雨 フ 如 ++ | 2Q | 136 |
| 電子部材 Electronic Materials | 1-2Q累計 1-2Q Total | 242 |





⁽⁾ shows change from FY2012.

Electronics Segment (2)

[YoY comparison for the first six months]

(Display)

 Shipments of TFT-LCD glass substrates and specialty glass for display applications increased.

[Electronic Materials]

 Shipments of semiconductor-related products and optoelectronics materials for camera applications increased. However shipments of some products in this category were weak.

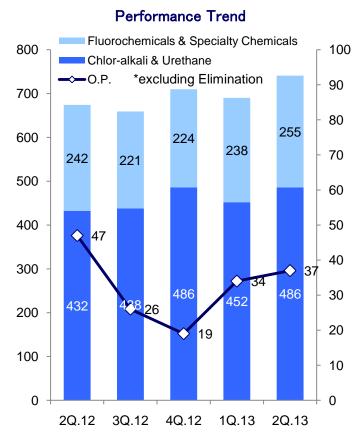
Chemicals Segment (1)

| | 売上 Sal | | 営業 Operating | |
|----------------------|-----------|-----------------|-----------------|-----------------|
| | FY2012 | FY2013 | FY2012 | FY2013 |
| 2Q | 652 | 716 (+64) | 47 | 37 (-10) |
| 1-2Q累計 1-2Q Total | 1,280 | 1,383 (+103) | 100 | 72 (-28) |

^{*()}内数字は前年同期比

⁽⁾ shows change from FY2012.

| 売上高の内訳 Breakdown of Sales | | |
|--|----------------------|-----|
| クロールアルカリ・ウレタン Chlor-alkali & Urethane | 2Q | 486 |
| | 1-2Q累計 1-2Q Total | 938 |
| フッ素化学・スペシャリティ Fluorochemicals & Specialty Chemicals | 2Q | 255 |
| | 1-2Q累計 1-2Q Total | 493 |
| 消去 | 2Q | -26 |
| Elimination | 1-2Q累計 1-2Q Total | -49 |





Chemicals Segment (2)

[YoY comparison for the first six months]

(Chlor-alkali & Urethane)

Asia continued to show strong performance.

(Fluorochemicals & Specialty Chemicals)

- Shipments of pharmaceutical and agrochemical intermediates and active ingredients remained buoyant.
- Shipments of certain products in this category decreased due to such effect as economic slowdown in Europe.



YoY Performance Comparison by Business Segment

| | | 2Q | | |
|------------|--------------------|--------|--------|-----------|
| 売上高 | Sales | FY2012 | FY2013 | 増減 Change |
| ガラス | Glass | 1,390 | 1,674 | +284 |
| 電子 | Electronics | 831 | 891 | +61 |
| 化学品 | Chemicals/Other | 652 | 716 | +64 |
| セラミックス・その他 | Ceramics/Other | 230 | 224 | -6 |
| 消去 | Elimination | -123 | -184 | -60 |
| 全社計 | Consolidated total | 2,979 | 3,321 | +342 |

| 1-2Q 累計 (1-2Q Total) | | | | | |
|-----------------------------|--------|-----------|--|--|--|
| FY2012 | FY2013 | 増減 Change | | | |
| 2,782 | 3,207 | +425 | | | |
| 1,611 | 1,740 | +129 | | | |
| 1,280 | 1,383 | +103 | | | |
| 480 | 377 | -103 | | | |
| -320 | -323 | -2 | | | |
| 5,833 | 6,384 | +552 | | | |

| 営業利益 | Operating income | FY2012 | FY2013 | 増減 Change |
|------------|--------------------|--------|--------|-----------|
| ガラス | Glass | -17 | -43 | -26 |
| 電子 | Electronics | 202 | 183 | -19 |
| 化学品 | Chemicals | 47 | 37 | -10 |
| セラミックス・その他 | Ceramics/Other | 6 | 4 | -1 |
| 消去 | Elimination | 0 | 2 | +1 |
| 全社計 | Consolidated total | 238 | 183 | -55 |

| FY2012 | FY2013 | 増減 Change |
|--------|--------|-----------|
| -9 | -106 | -96 |
| 381 | 376 | -5 |
| 100 | 72 | -28 |
| 9 | 2 | -7 |
| -1 | -3 | -3 |
| 480 | 341 | -139 |

^{*} The category "Other," used until the previous year, was renamed "Ceramics / Other" in 2013.



Quarterly Performance Comparison by Business Segment

| 売上高 | Sales | 1Q FY2013 | 2Q FY2013 | 増減 Change | % 増減 Change % |
|------------|--------------------|-----------|-----------|--------------|------------------|
| ガラス | Glass | 1,534 | 1,674 | +140 | +9.1% |
| 電子 | Electronics | 849 | 891 | +42 | +4.9% |
| 化学品 | Chemicals | 667 | 716 | +49 | +7.4% |
| セラミックス・その他 | Ceramics/Other | 153 | 224 | +70 | +46.0% |
| 消去 | Elimination | -139 | -184 | -45 | _ |
| 全社計 | Consolidated total | 3,064 | 3,321 | +257 | +8.4% |

| 営業利益 | Operating income | 1Q FY2013 | 2Q FY2013 | 増減 Change | % 増減 Change % |
|------------|--------------------|-----------|------------|--------------|------------------|
| ガラス | Glass | -62 | -43 | +19 | _ |
| 電子 | Electronics | 193 | 183 | -10 | -5.4% |
| 化学品 | Chemicals | 34 | 37 | +3 | +9.0% |
| セラミックス・その他 | Ceramics/Other | -3 | 4 | +7 | _ |
| 消去 | Elimination | -5 | 2 | +6 | _ |
| 全社計 | Consolidated total | 158 | 183 | +25 | +16.1% |

^{*} The category "Other," used until the previous year, was renamed "Ceramics / Other" in 2013.



YoY Performance Comparison by Geographic Segment

| | | 2Q | | | |
|--------|--------------------|--------|--------|-----------|--|
| 売上高 | Sales | FY2012 | FY2013 | 増減 Change | |
| 日本・アジア | Japan & Asia | 2,297 | 2,401 | +105 | |
| アメリカ | Americas | 220 | 285 | +65 | |
| ヨ―ロッパ | Europe | 561 | 743 | +182 | |
| 消去 | Elimination | -98 | -109 | -11 | |
| 全社計 | Consolidated total | 2,979 | 3,321 | +342 | |

| 1-2Q 累計 (1-2Q Total) | | | | |
|-----------------------------|--------|-----------|--|--|
| FY2012 | FY2013 | 増減 Change | | |
| 4,474 | 4,651 | +178 | | |
| 428 | 547 | +119 | | |
| 1,106 | 1,397 | +291 | | |
| -174 | -211 | -36 | | |
| 5,833 | 6,384 | +552 | | |

| 営業利益 | Operating income | FY2012 | FY2013 | 増減 Change |
|--------|--------------------------------|--------|------------|-----------|
| 日本・アジア | Japan & Asia | 339 | 311 | -28 |
| アメリカ | Americas | -11 | -19 | -8 |
| ヨ―ロッパ | Europe | -17 | -35 | -18 |
| 消去 | Elimination | 0 | 1 | +1 |
| 地域共通費用 | Cross-regional common expenses | -74 | -76 | -2 |
| 全社計 | Consolidated total | 238 | 183 | -55 |

| FY2012 | FY2013 | 増減 Change |
|--------|--------|-----------|
| 669 | 616 | -52 |
| -19 | -36 | -16 |
| -21 | -84 | -63 |
| -1 | -2 | -0 |
| -147 | -154 | -7 |
| 480 | 341 | -139 |

Quarterly Performance Comparison by Geographic Segment

| 売上高 | Sales | 1Q FY2013 | 2Q FY2013 | 増減 Change | % 増減 Change % |
|--------|--------------------|-----------|-----------|--------------|-------------------------|
| 日本・アジア | Japan & Asia | 2,250 | 2,401 | +152 | +6.7% |
| アメリカ | Americas | 262 | 285 | +23 | +8.6% |
| ヨ―ロッパ | Europe | 653 | 743 | +90 | +13.8% |
| 消去 | Elimination | -102 | -109 | -7 | _ |
| 全社計 | Consolidated total | 3,064 | 3,321 | +257 | +8.4% |

| 営業利益 | Operating income | 1Q FY2013 | 2Q FY2013 | 増減 Change | % 増減 Change % |
|--------|--------------------------------|-----------|-----------|--------------|------------------|
| 日本・アジア | Japan & Asia | 305 | 311 | +6 | +2.0% |
| アメリカ | Americas | -16 | -19 | -3 | _ |
| ヨ―ロッパ | Europe | -50 | -35 | +15 | _ |
| 消去 | Elimination | -3 | 1 | +5 | _ |
| 地域共通費用 | Cross-regional common expenses | -78 | -76 | +3 | _ |
| 全社計 | Consolidated total | 158 | 183 | +25 | +16.1% |



The Impact of FOREX and Change in the Scope of Consolidation (Compared with 1-2Q FY2012)

| | 全社計* Consolidated total | | ガ ゙ | ラス | 電 | :子 | 化学品 | |
|--|----------------------------|------------------|----------------|------------------|-------|------------------|-----------|------------------|
| 区分 | | | Glass | | Elect | ronics | Chemicals | |
| Segment | 売上高 | 営業 利益 | 売上高 | 営業 利益 | 売上高 | 営業 利益 | 売上高 | 営業 利益 |
| | Sales | Operating income | Sales | Operating income | Sales | Operating Income | Sales | Operating income |
| 1-2Q FY2013 | 6,384 | 341 | 3,207 | -106 | 1,740 | 376 | 1,383 | 72 |
| 前年同期比 Change vs. 1-2Q FY2012 | +552 | -139 | +425 | -96 | +129 | -5 | +103 | -28 |
| [以下影響を除く前年同期比] Change like-for-like vs. 1-2Q FY2012 | -222 | -119 | -143 | -71 | +64 | -2 | -30 | -36 |
| 為替換算の影響 Impact of FOREX | +606 | -1 | +436 | -10 | +59 | +2 | +105 | +6 |
| 連結範囲変更の影響 Impact of Change in the Scope of Consolidation | +168 | -19 | +132 | -16 | +7 | -5 | +28 | +1 |

^{*} The sum of the segment amounts may not equal the amount of consolidated total, because it includes the amount of Other Segment and elimination.



Outlook for FY2013



FY2013 Forecast

| | | FY2012 | | FY2013 FY2013 Fo | | |
|---------------|-------------------------|-----------------|---------------|---------------------|--------------------|-------------------------------|
| | | 通期 Full-Year | 2月7日 Feb 7 | 7月31日 July 31 | 対前年比 vs. FY2012 | 対前年比 % vs. FY2012 % |
| 売上高 | Net sales | 11,900 | 13,000 | 13,500 | +1,600 | +13.4% |
| 営業利益 | Operating income | 929 | 1,000 | 700 | -229 | -24.7% |
| 経常利益 | Ordinary income | 866 | 900 | 650 | -216 | -24.9% |
| 当期純利益 | Net income | 438 | 500 | 100 | -338 | -77.2% |
| 売上高営業利益率 | Operating profit margin | 7.8% | 7.7% | 5.2% | | |
| ROE*1 | Return on equity | 5.0% | 5.3% | 1.1% | | |
| 為替レート(期中平均) | JPY/USD | 79.82 | 90.0 | 100.0 | *2 | |
| FOREX Average | JPY/EUR | 102.63 | 120.0 | 130.0 | *2 | |
| 原油 Crude Oil | \$/BBL (Dubai) | 109.1 | 110.0 | 110.0 | *2 | |
| 一株当たり配当金 | Dividend (Yen/Share) | 26 | 26 | 18 | | |

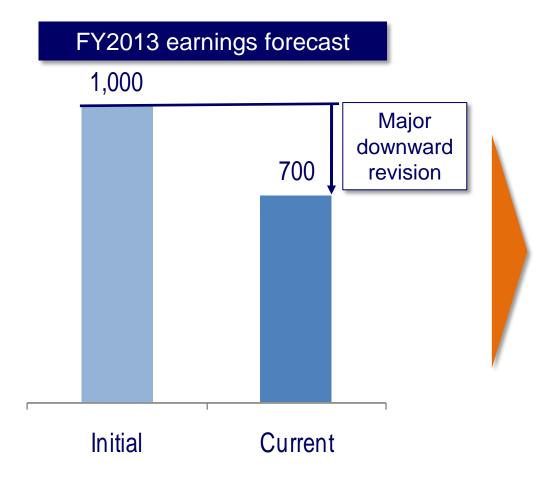
^{*} Return on Equity = Net Income / (Shareholders' Equity (average) + Accumulated other comprehensive income (average))
ROE of FY2013 Forecast is calculated by using the Shareholders' equity, etc. as of Dec.31, 2012.



^{*2} Assumption for FY2013

Reasons for the Revision to Earnings Forecast

- Main factors are architectural glass in Europe and displays -



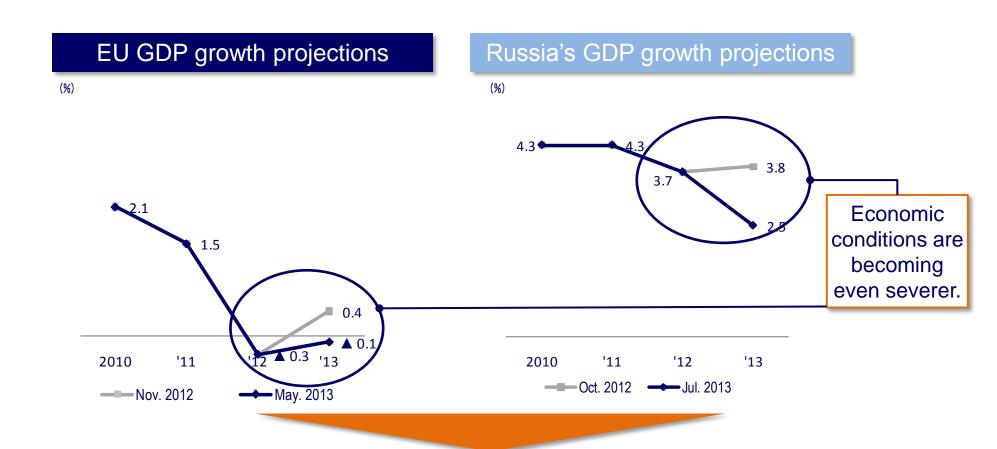
Unexpected circumstances

Architectural glass business in Europe: the business environment has become far more challenging than initially expected.

Display business: Increased costs due to the considerable depreciation of the yen.



Architectural Glass Business in Europe (1)

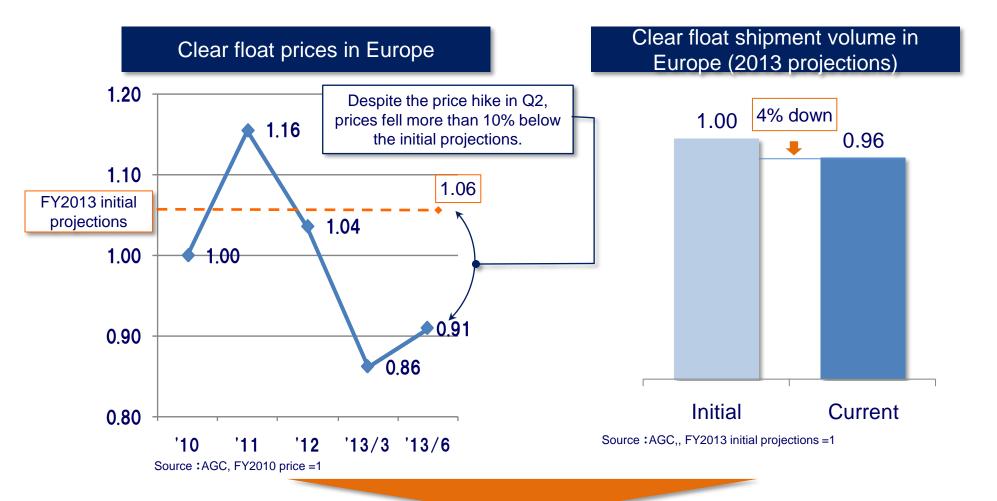


Weak demand causing little improvement in supply & demand



Architectural Glass Business in Europe (2)

- Both prices and volume fell below the expectation -



Furthercost reduction is required to overcome this difficult situation.



Business Outlook for FY2013 (1)

(Glass)

Architectural Glass

Japan/Asia : Shipments will remain strong.

Americas : Shipments will recover moderately.

Europe : Although shipments will remain weak, the supply &

demand balance is expected to improve, leading to

price recovery.

Automotive Glass

Shipments will increase driven by strong demand in fast-growing markets.

Glass for Solar Power Systems

Shipments will be bearish due to the continued tough competitive environment.



Business Outlook for FY2013 (2)

(Electronics)

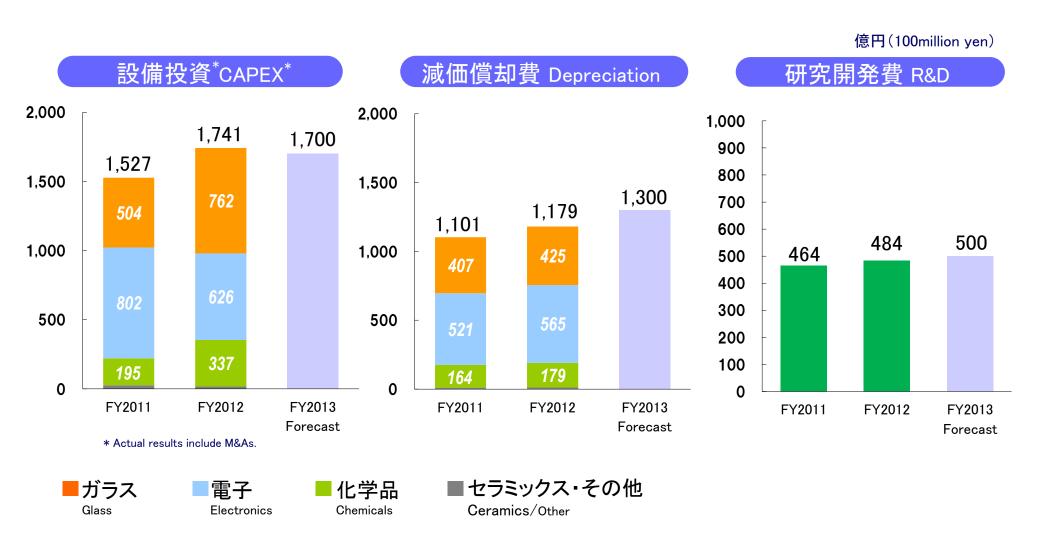
- Shipments of TFT-LCD glass substrates and specialty glass for display applications are expected to be strong for full year.
- Shipments of electronic materials will make a gradual recovery and be favorable for full year although short-term demand may fluctuate.

(Chemicals)

- Shipments of chlor-alkali products will remain strong.
- Shipments of fluorochemicals related products will likely recover.



CAPEX / Depreciation / R&D





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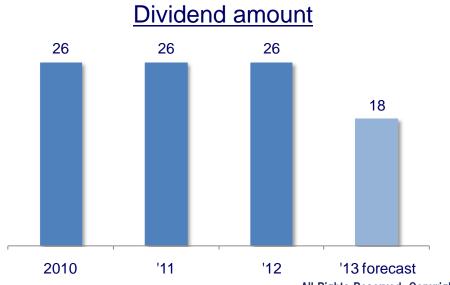
Revision to the Dividend Forecast



Revision to FY2013 Dividend Forecast

FY2013 dividend forecast

| | Initial forecast | New forecast |
|----------------------|------------------|--------------|
| 1 st half | 13 yen | 13 yen |
| 2 nd half | 13 yen | 5 yen |
| Full year | 26 yen | 18 yen |

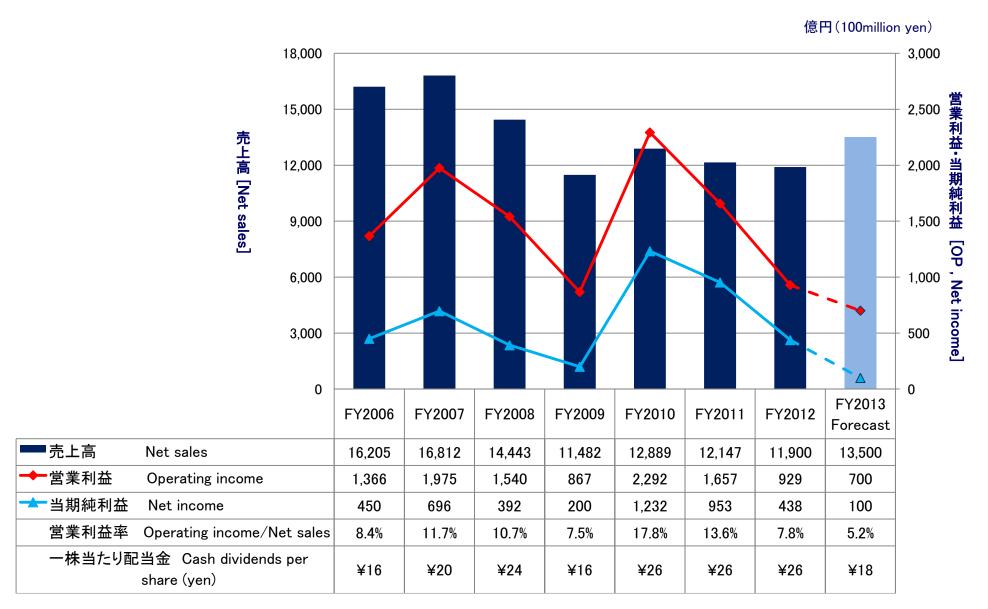




Appendix



Changes in the Financial Results





Financial Index

| | | | 06/12 | 07/12 | 08/12 | 09/12 | 10/12 | 11/12 | 12/12 |
|--------------------|--|------------------|-------|-------|-------|-------|--------|-------|-------|
| 自己資本当期純利益率(ROE) *1 | Return on equity | % | 5.1% | 7.5% | 4.7% | 2.7% | 15.8% | 11.8% | 5.0% |
| 総資産営業利益率(ROA) *2 | Return on assets | % | 6.5% | 9.3% | 7.8% | 4.8% | 12.9% | 9.6% | 5.2% |
| 自己資本比率 | Equity ratio | % | 42% | 45% | 40% | 42% | 46% | 48% | 50% |
| D/E(有利子負債·純資産比率) | Debt/Equity ratio | 倍 times | 0.58 | 0.52 | 0.77 | 0.74 | 0.60 | 0.57 | 0.54 |
| 営業CF/有利子負債 | CF from Operating Activities/Interest-bearing debt | 倍 times | 0.30 | 0.46 | 0.34 | 0.30 | 0.56 | 0.31 | 0.31 |
| 一株当たり当期純利益(EPS) | Earnings per share | 円 Yen | 38.37 | 59.35 | 33.53 | 17.12 | 105.52 | 81.90 | 37.88 |
| EBITDA *3 | EBITDA | 億円 100mil Yen | 1,809 | 2,555 | 2,199 | 1,873 | 3,084 | 2,594 | 1,928 |

^{*1} Return on Equity = Net Income / (Shareholders' Equity (average) + Accumulated other comprehensive income (average))

| 為替レート | | FY2012 | | | | FY2013 | | | | | |
|-----------|---------------|--------|----------------|--------|--------|--------|--------|--------|------------------------------|---------|-------------------|
| Exchange | rates | | | 1Q | 2Q | 3Q | 4Q | 1Q | 2Q | 3Q | 4Q |
| TT /1* II | 期中平 | | Average | 79.28 | 80.20 | 78.62 | 81.17 | 92.42 | 42 98.76 100.0* ⁴ | | 0*4 |
| 円/トル | 円/ドル JPY/USD | 期末 | At quarter end | 82.19 | 79.31 | 77.60 | 86.58 | 94.05 | 98.59 | 100.0*4 | |
| m/ | 円/ユーロ JPY/EUR | 期中平均 | Average | 103.99 | 102.91 | 98.36 | 105.25 | 122.04 | 128.95 | 100 | 0*4 |
| H/ユーロ | | 期末 | At quarter end | 109.80 | 98.74 | 100.24 | 114.71 | 120.73 | 128.53 | 130 | 0.0 ^{*4} |

*4 Assumption for FY2013



^{*2} Return on assets = Operating income / Total assets (average)

^{*3} Earnings before interest, tax, depreciation and amortization(EBITDA) = Net Income (Loss) Before Taxes + Depreciation + Interest expenses

Major Press Releases in FY2013

| Date | Summary |
|-------------|---|
| February 7 | AGC to voluntarily adopt International Financial Reporting Standards (IFRS) |
| February 21 | AGC to set up a new chemical strengthening facility for large-sized Dragontrail™ in Japan |
| March 11 | AGC invests in Triton Microtechnologies that owns cutting-edge via-fill technology |
| April 23 | AGC to build a mega-solar power station in Ako, Hyogo prefecture |
| May 9 | AGC to establish regional headquarters in Singapore |
| May 14 | AGC's new AN Wizus™ glass substrate for high resolution displays achieves world's lowest level of thermal shrinkage |
| May 20 | AGC to market self-adhesive glass for optical bonding that produces more vivid and clear display devices |
| June 6 | AGC to provide world's first glass roofs for player benches at FIFA Confederations Cup Brazil 2013 |
| June 6 | AGC's proven high performance Fluon®ETFE Film used in world class stadium in Brazil |



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