

FACTBOOK

7467/TSE Prime Market, NSE Premier Market
HAGIWARA ELECTRIC HOLDINGS CO., LTD.
 For the six months of the fiscal year
 ending on March 31, 2024



Contents

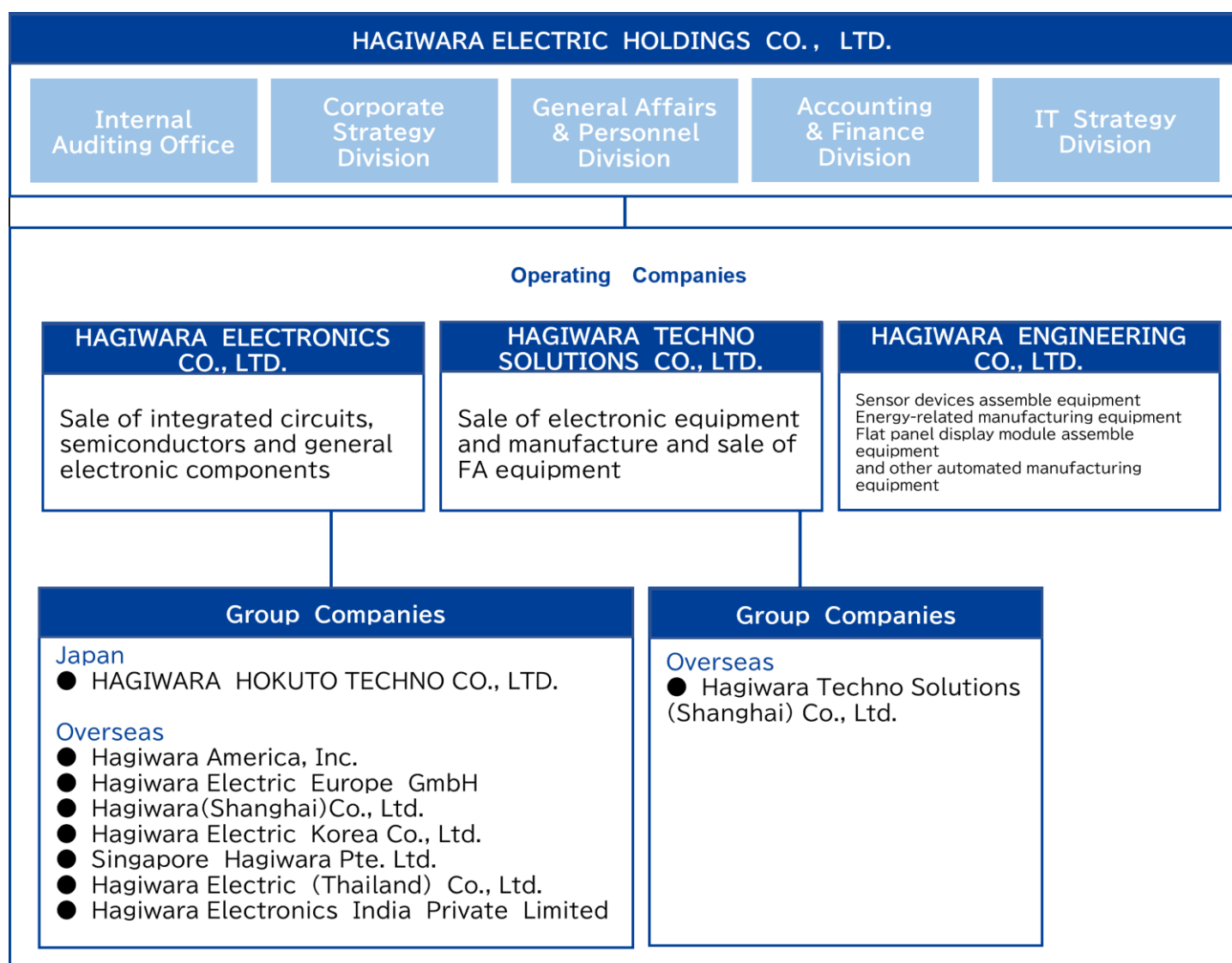
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Corporate Outline (as of September 30, 2023)

Name of Company	HAGIWARA ELECTRIC HOLDINGS CO., LTD.
Head Office	2-2-1 Higashisakura, Higashi-ku, Nagoya City, Aichi Pref. 461-8520 Japan
Representatives	Moritaka Kimura, President and Representative Director
Established	March 31, 1948
Share Capital	6,006,639,863 yen
Number of Employees	Consolidated: 718 *Excluding temporary employees
Major Business	Formulation and management of business strategies for group companies selling electronic devices and electronic equipment and manufacturing and selling FA equipment
Subsidiaries	HAGIWARA ELECTRONICS CO., LTD. HAGIWARA TECHNO SOLUTIONS CO., LTD. HAGIWARA ENGINEERING CO., LTD.

Organizational structure of the Group

As of September 30, 2023



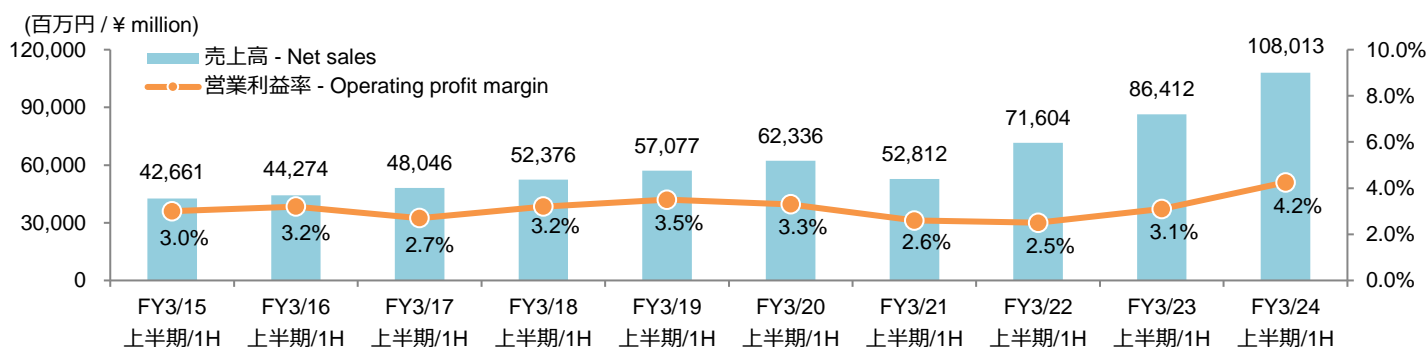
Corporate History Timeline

1948	Hagiwara Denki Kogyo was founded.		
1958	Hagiwara Denki Kogyo Co., Ltd. was founded.		
1966	The Tokyo Branch Office was established.		
1993	The Kyushu Office was established.		
1996	The Singapore local subsidiary was established.		
2006	The US local subsidiary was established. The China (Shanghai) local subsidiary was established.		
2012	The Germany local subsidiary was established. The Data Center was opened.		
2016	The Kansai Branch was established.		
2019	The India local subsidiary was established.		
1956	Partnership with NEC Corporation initiated and wholesale division selling electronic components established.		
1965	Company name changed to HAGIWARA ELECTRIC CO., LTD.		
1981	The Nisshin Office (production factory) was established.		
1995	Initial public offering of shares.		
1998	The Miyoshi Distribution Center was established.		
2011	The Korea local subsidiary was established. The China (Free Trade Zone, Shanghai) local subsidiary was established.		
2014	Listed to the 1st Section of Tokyo Stock Exchange. Listed to the 1st Section of Nagoya Stock Exchange. The Thailand local subsidiary was established.		
2018	Company name changed to HAGIWARA ELECTRIC HOLDINGS CO., LTD., and status changed to holding company. HAGIWARA HOKUTO TECHNO CO., LTD. was established.		
2022	Listed to Tokyo Stock Exchange Prime Market. Listed to Nagoya Stock Exchange Premier Market. HAGIWARA ENGINEERING CO., LTD. becomes a subsidiary.		

Group Network



Trend of Business Performance



Note: The Company transitioned to a holding company system on April 1, 2018.
The business performance up to FY3/18 in this FACTBOOK refers to the figures of the former HAGIWARA ELECTRIC CO., LTD. before the transition.

Consolidated Balance Sheet

連結 貸借対照表 — Consolidated balance sheet

(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
資産の部	Assets					
資産合計	Total assets	62,210	64,631	73,813	95,132	115,328
流動資産	Current assets	57,126	59,326	68,291	87,866	107,763
現金及び預金	Cash and deposits	8,389	10,713	9,345	10,332	14,357
受取手形及び売掛金	Notes and accounts receivable - trade	31,636	28,372	—	—	—
受取手形、売掛金及び契約資産	Notes and accounts receivable - trade, and contract assets	—	—	20,914	29,925	32,961
電子記録債権	Electronically recorded monetary claims - operating	1,512	1,673	13,199	4,410	17,347
有価証券	Securities	—	—	—	—	105
商品及び製品	Merchandise and finished goods	14,250	17,401	21,703	38,135	36,634
仕掛品	Work in process	420	468	535	1,203	1,404
原材料及び貯蔵品	Raw materials and supplies	286	281	389	1,105	2,119
その他	Other	633	420	2,262	2,772	2,841
貸倒引当金	Allowance for doubtful accounts	△ 3	△ 2	△ 59	△ 18	△ 7
固定資産	Non-current assets	5,084	5,304	5,521	7,266	7,564
有形固定資産	Property, plant and equipment	2,677	2,717	2,747	4,190	4,424
無形固定資産	Intangible assets	202	191	168	220	216
投資その他の資産	Investments and other assets	2,204	2,395	2,605	2,855	2,923
その他	Other	—	—	2,605	2,896	2,964
貸倒引当金	Allowance for doubtful accounts	—	—	△ 0	△ 41	△ 41
(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
負債の部	Liabilities					
負債合計	Total liabilities	27,986	29,035	35,968	53,210	65,817
流動負債	Current liabilities	22,418	22,344	30,349	44,827	41,698
支払手形及び買掛金	Notes and accounts payable - trade	11,591	10,782	14,773	17,631	19,196
電子記録債務	Electronically recorded obligations - operating	2,161	1,983	3,204	3,269	5,311
短期借入金	Short-term borrowings	5,770	5,225	6,483	16,427	6,930
1年内返済予定の長期借入金	Current portion of long-term borrowings	225	1,800	2,275	2,352	3,602
未払法人税等	Income taxes payable	724	537	580	1,024	1,535
製品保証引当金	Provision for product warranties	—	—	—	24	40
受注損失引当金	Provision for loss on orders received	—	—	—	2	14
その他	Other	1,945	2,014	3,032	4,094	5,067
固定負債	Non-current liabilities	5,568	6,690	5,619	8,383	24,119
社債	Bonds payable	—	—	—	—	10,000
長期借入金	Long-term borrowings	5,175	6,225	5,250	8,033	13,593
退職給付に係る負債	Retirement benefit liability	181	233	—	—	—
その他	Other	212	232	369	350	525
純資産の部	Net assets					
純資産合計	Total net assets	34,223	35,596	37,845	41,922	49,511
株主資本	Shareholders' equity	31,992	33,365	35,230	38,699	45,969
資本金	Share capital	4,361	4,361	4,361	4,361	6,006
資本剰余金	Capital surplus	4,867	4,868	4,872	4,874	6,523
利益剰余金	Retained earnings	23,096	24,454	26,302	29,754	33,724
自己株式	Treasury shares	△ 332	△ 319	△ 305	△ 290	△ 284
その他の包括利益累計額	Accumulated other comprehensive income	176	153	518	1,112	1,421
その他有価証券評価差額金	Valuation difference on available-for-sale securities	268	313	371	298	399
繰延ヘッジ損益	Deferred gains or losses on hedges	—	—	—	—	△ 1
為替換算調整勘定	Foreign currency translation adjustment	107	103	247	915	1,163
退職給付に係る調整累計額	Remeasurements of defined benefit plans	△ 199	△ 263	△ 100	△ 100	△ 140
非支配株主持分	Non-controlling interests	2,054	2,078	2,096	2,110	2,119
負債純資産合計	Total liabilities and net assets	62,210	64,631	73,813	95,132	115,328

Consolidated Statement of Income

連結 損益計算書 — Consolidated statement of income

(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
売上高	Net sales	62,336	52,812	71,604	86,412	108,013
売上原価	Cost of sales	56,179	47,518	65,027	78,325	97,561
売上総利益	Gross profit	6,157	5,293	6,576	8,087	10,452
販売費及び一般管理費	Selling, general and administrative expenses	4,114	3,913	4,822	5,416	5,863
営業利益	Operating profit	2,043	1,380	1,754	2,671	4,589
営業外収益	Non-operating income	60	92	46	306	183
受取利息	Interest income	2	6	10	8	2
受取配当金	Dividend income	9	10	11	11	11
為替差益	Foreign exchange gains	—	—	—	194	127
投資有価証券評価益	Gain on valuation of investment securities	—	52	—	—	—
受取保険金	Insurance claim income	25	0	—	—	—
その他	Other	22	22	25	92	41
営業外費用	Non-operating expenses	101	98	78	68	148
支払利息	Interest expenses	24	16	18	41	95
社債利息	Interest expenses on bonds	—	—	—	—	21
為替差損	Foreign exchange losses	38	58	41	—	—
投資有価証券評価損	Loss on valuation of investment securities	28	—	—	—	—
売上債権売却損	Loss on sales of trade receivables	7	12	—	18	8
その他	Other	2	10	18	8	23
経常利益	Ordinary profit	2,001	1,373	1,723	2,909	4,623
特別利益	Extraordinary income	—	—	77	685	6
投資有価証券売却益	Gain on sale of investment securities	—	—	77	14	—
負ののれん発生益	Gain on bargain purchase	—	—	—	670	—
その他	Other	—	—	—	—	6
特別損失	Extraordinary losses	3	0	5	0	0
固定資産処分損	Loss on disposal of non-current assets	0	0	5	0	0
投資有価証券評価損	Loss on valuation of investment securities	1	—	—	—	—
会員権評価損	Loss on valuation of membership	2	—	—	—	—
税金等調整前四半期純利益	Profit before income taxes	1,998	1,373	1,795	3,595	4,629
法人税等	Income taxes	663	469	622	967	1,570
四半期純利益	Profit	1,335	904	1,172	2,627	3,058
非支配株主に帰属する四半期純利益	Profit attributable to non-controlling interests	28	27	27	21	22
親会社株主に帰属する四半期純利益	Profit attributable to owners of parent	1,307	876	1,145	2,606	3,036

Consolidated Statement of Cash Flows



連結 キャッシュ・フロー計算書 — Consolidated statement of cash flows

(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
営業活動によるキャッシュ・フロー		Cash flows from operating activities				
営業活動によるキャッシュ・フロー合計	Net cash provided by (used in) operating activities	908	1,245	△ 1,107	△ 6,180	1,869
税金等調整前四半期純利益	Profit before income taxes	1,998	1,373	1,795	3,595	4,629
減価償却費	Depreciation	96	119	137	136	165
負のれん発生益	Gain on bargain purchase	—	—	—	△ 670	—
固定資産除売却損益 (△は益)	Loss (gain) on sale and retirement of non-current assets	0	0	5	—	—
貸倒引当金の増減額 (△は減少)	Increase (decrease) in allowance for doubtful accounts	△ 0	0	56	△ 1	△ 5
退職給付に係る負債の増減額 (△は減少)	Increase (decrease) in retirement benefit liability	△ 21	△ 17	—	—	—
退職給付に係る資産の増減額 (△は増加)	Decrease (increase) in retirement benefit asset	—	—	△ 46	△ 50	△ 30
受注損失引当金の増減額 (△は減少)	Increase (decrease) in provision for loss on orders received	—	—	—	—	△ 12
受取利息及び受取配当金	Interest and dividend income	△ 11	△ 16	△ 21	△ 19	△ 13
支払利息	Interest expenses	24	16	18	41	116
投資有価証券売却損益 (△は益)	Loss (gain) on sale of investment securities	—	—	△ 77	△ 14	—
売上債権の増減額 (△は増加)	Decrease (increase) in trade receivables	1,455	4,368	6,149	2,179	△ 2,221
棚卸資産の増減額 (△は増加)	Decrease (increase) in inventories	△ 3	△ 686	△ 5,589	△ 10,883	△ 2,741
仕入債務の増減額 (△は減少)	Increase (decrease) in trade payables	△ 1,133	△ 3,224	△ 1,980	68	3,275
その他	Other, net	△ 481	△ 221	△ 1,000	511	312
小計	Subtotal	1,922	1,712	△ 554	△ 5,109	3,473
利息及び配当金の受取額	Interest and dividends received	12	16	22	20	14
利息の支払額	Interest paid	△ 24	△ 15	△ 20	△ 41	△ 117
法人税等の支払額	Income taxes paid	△ 1,001	△ 468	△ 555	△ 1,049	△ 1,500
投資活動によるキャッシュ・フロー		Cash flows from investing activities				
投資活動によるキャッシュ・フロー合計	Net cash provided by (used in) investing activities	△ 133	△ 43	28	△ 1,280	△ 206
投資有価証券の取得による支出	Purchase of investment securities	△ 5	△ 5	△ 3	△ 1	△ 2
投資有価証券の売却による収入	Proceeds from sale of investment securities	—	64	118	20	36
有形固定資産の取得による支出	Purchase of property, plant and equipment	△ 80	△ 79	△ 70	△ 45	△ 165
無形固定資産の取得による支出	Purchase of intangible assets	△ 29	△ 43	△ 21	△ 43	△ 34
子会社株式の取得による支出	Purchase of shares of subsidiaries resulting in change in scope of consolidation	—	—	—	△ 1,209	—
その他	Other, net	△ 17	21	5	△ 1	△ 40
財務活動によるキャッシュ・フロー		Cash flows from financing activities				
財務活動によるキャッシュ・フロー合計	Net cash provided by (used in) financing activities	179	1,777	567	8,807	1,395
短期借入金の純増減額 (△は減少)	Net increase (decrease) in short-term borrowings	233	77	1,134	6,298	845
長期借入れによる収入	Proceeds from long-term borrowings	1,250	2,400	1,300	4,060	1,150
長期借入金の返済による支出	Repayments of long-term borrowings	△ 800	△ 150	△ 1,350	△ 950	△ 2,951
自己株式の取得による支出	Purchase of treasury shares	—	△ 0	△ 0	△ 0	—
新株予約権の行使による株式の発行による収入	Proceeds from issuance of shares resulting from exercise of share acquisition rights	—	—	—	—	3,279
配当金の支払額	Dividends paid	△ 485	△ 482	△ 442	△ 529	△ 837
非支配株主への配当金の支払額	Dividends paid to non-controlling interests	△ 5	△ 34	△ 34	△ 34	△ 34
新株予約権の発行による収入	Proceeds from issuance of share acquisition rights	—	—	—	—	11
その他	Other, net	△ 13	△ 32	△ 39	△ 37	△ 68
現金及び現金同等物に係る換算差額	Effect of exchange rate change on cash and cash equivalents	△ 73	△ 20	143	479	379
現金及び現金同等物の増減額 (△は減少)	Net increase (decrease) in cash and cash equivalents	881	2,959	△ 368	1,825	3,436
現金及び現金同等物の期首残高	Cash and cash equivalents at beginning of period	7,508	7,753	9,713	8,506	10,920
現金及び現金同等物の四半期末残高	Cash and cash equivalents at end of period	8,389	10,713	9,345	10,332	14,357

Information by Segment / Consolidated Profitability Indicators

セグメント情報等 — Segment Information

セグメント別業績 - Net Sales Breakdown by Business Segment

(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
売上高	Net sales	62,336	52,812	71,604	86,412	108,013
デバイス事業	Electronic Devices Business	50,824	43,292	61,138	74,651	94,078
ソリューション事業	Technology Solutions Business	11,512	9,519	10,466	11,760	13,935
セグメント利益	Segment profit	2,043	1,380	1,754	2,671	4,589
デバイス事業	Electronic Devices Business	1,406	916	1,188	1,728	3,511
ソリューション事業	Technology Solutions Business	636	463	566	942	1,077

主要ユーザー別売上高 - Net Sales Breakdown by Major Client

(百万円)	(¥ million)	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
売上高	Net sales	62,336	52,812	71,604	86,412	108,013
株式会社デンソー	DENSO CORPORATION	35,333	30,684	37,759	41,087	54,073
株式会社東海理化電機製作所	TOKAI RIKI CO., LTD.	2,262	1,743	1,973	2,525	3,054
トヨタ自動車株式会社	Toyota Motor Corporation	4,425	1,892	1,436	1,044	960
その他	Others	20,315	18,492	30,434	41,754	49,924

※株式会社デンソー等の海外子会社に対する売上高は、その他に含まれております。(Net sales to overseas subsidiaries such as Denso are included in "Others.")

収益性指標 — Profitability

(%)		FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
売上高総利益率(A)	Gross profit on Net sales	9.9	10.0	9.2	9.4	9.7
売上高営業利益率(B)	Operating profit margin	3.3	2.6	2.5	3.1	4.2
売上高経常利益率(C)	Ordinary profit margin	3.2	2.6	2.4	3.4	4.3
売上高四半期純利益率(D)	Net profit margin	2.1	1.7	1.6	3.0	2.8

売上高総利益率(A)=売上総利益÷売上高 (=Gross profit/Net sales)

売上高営業利益率(B)=営業利益÷売上高 (=Operating profit/Net sales)

売上高経常利益率(C)=経常利益÷売上高 (=Ordinary profit/Net sale)

売上高四半期純利益率(D)=親会社株主に帰属する四半期純利益÷売上高 (=Profit attributable to owners of parent/Net sales)

効率性指標 — Efficiency

		FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
インタレスト・カバレッジ・レシオ(D)	Interest coverage ratio	84.1	83.1	97.4	64.8	48.3
期末従業員数（人）(E)	Number of employees at end of period	581	598	607	684	718
期末臨時従業員数（人）(F)	Number of temporary employees at end of period	56	64	81	97	71
1人当たり売上高（万円）(G)	Net sales per employee	9,786	7,978	10,408	11,064	13,690
1人当たり経常利益（万円）(H)	Ordinary profit per employee	314	208	250	373	586
1人当たり四半期純利益（万円）(I)	Net profit per employee	205	132	166	334	385

インタレスト・カバレッジ・レシオ(D) = (営業利益+受取利息+受取配当金) ÷ 支払利息

(= (Operating profit + Interest income + Dividend income) / Interest expenses)

1人当たり売上高(G) = 売上高 ÷ ((E) + (F)) (= Net sales / ((E) + (F)))

1人当たり経常利益(H) = 経常利益 ÷ ((E) + (F)) (= Ordinary profit / ((E) + (F)))

1人当たり四半期純利益(I) = 親会社株主に帰属する四半期純利益 ÷ ((E) + (F)) (= Profit attributable to owners of parent / ((E) + (F)))

安全性指標 — Safety

(%)		FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
自己資本比率(A)	Equity ratio	51.7	51.9	48.4	41.8	41.1
有利子負債依存度(B)	Interest-bearing debt ratio	18.0	20.5	19.0	28.2	29.6
当座比率(C)	Acid-test ratio	185.3	182.4	143.2	99.6	155.5
流動比率(D)	Current ratio	254.8	265.5	225.0	196.0	258.6
固定比率(E)	Non-current ratio	15.8	15.8	15.4	18.3	16.0
固定長期適合率(F)	Non-current assets to Non-current liability ratio	13.5	13.2	13.3	15.1	10.6

自己資本比率(A) = 自己資本 ÷ 総資産 (= Total net assets / Total assets)

有利子負債依存度(B) = 有利子負債 ÷ 総資産 (= Liabilities with interest / Total assets)

当座比率(C) = 当座資産 ÷ 流動負債 (= Cash and cash equivalents / Current liabilities)

流動比率(D) = 流動資産 ÷ 流動負債 (= Current assets / Current liabilities)

固定比率(E) = 固定資産 ÷ 自己資本 (= Non-current assets / Total net assets)

固定長期適合率(F) = 固定資産 ÷ (自己資本 + 固定負債) (= Non-current assets / (Total net assets / Non-current liabilities))

1 株当たり指標 — Per share

(円) - ¥	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
期末株価 - Share price at end of period (A)	2,680	2,282	2,211	2,102	3,955
株価レンジ (直近12ヶ月の引値ベース) - Closing stock price range for the last 12 months (B)	2,557-3,385	1,860-2,932	2,155-2,830	1,851-2,365	2,088-4,395
1 株当たり四半期純利益 - Earnings per share (C)	147.98	99.20	129.48	294.37	326.01
1 株当たり配当金 - Dividend per share (D)	50.00	30.00	40.00	60.00	95.00
	FY3/20 上半期/1H	FY3/21 上半期/1H	FY3/22 上半期/1H	FY3/23 上半期/1H	FY3/24 上半期/1H
配当金総額 (百万円) - Total amount of dividends (¥million) (E)	441	265	354	531	941
配当性向 (%) - Dividend payout ratio (%) (F)	33.8	30.2	30.9	20.4	29.1
株価収益率 (PER) (倍) - Price earnings ratio (times) (G)	9.06	11.50	8.54	3.57	6.07
期中平均株式数 (千株) - Term-average number of shares outstanding (thousand shares)	8,833	8,839	8,846	8,854	9,313
株主数 (人) - Number of shareholders (persons)	2,825	3,056	2,963	3,092	3,305

配当性向 (F)=(D)÷(C)

株価収益率(G)=(A)÷((C)÷2)

大株主の状況 — Major Shareholders

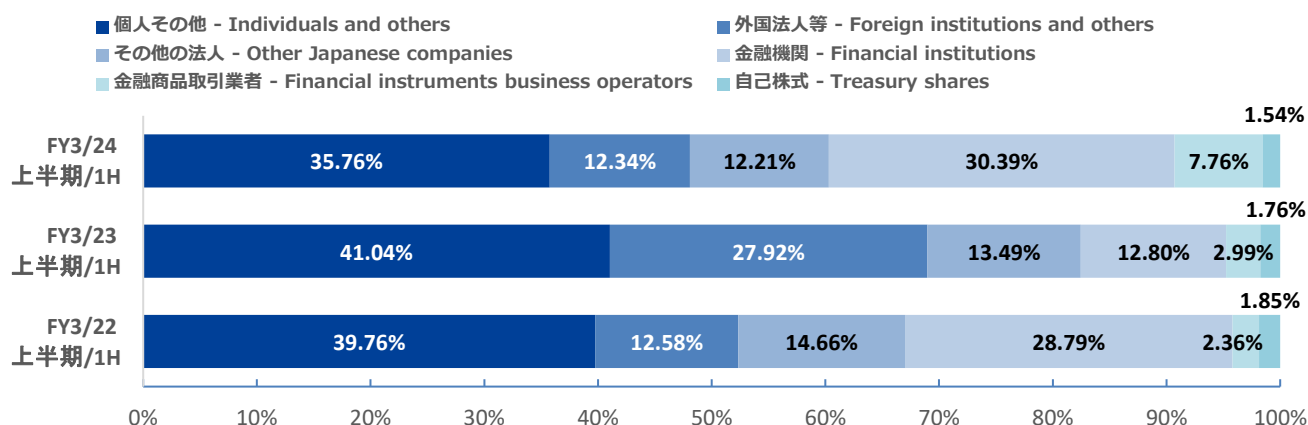
As of September 30, 2023

上位10名 - Top 10 Shareholders	所有株式数 (株) Number of shares	所有株式数の割合 (%) Shareholding ratio (%)
日本マスタートラスト信託銀行株式会社 (信託口) - The Master Trust Bank of Japan, Ltd. (trust account)	1,228,500	12.40
株式会社日本カストディ銀行 (信託口) - Custody Bank of Japan, Ltd.(trust account)	1,040,600	10.50
有限会社スタニイ - STANY Co., Ltd.	495,250	5.00
萩原智昭 - Tomoaki Hagiwara	340,828	3.44
株式会社三菱UFJ銀行 - MUFG Bank, Ltd.	232,500	2.35
名古屋中小企業投資育成株式会社 - Nagoya Small and Medium Business Investment & Consultation Co., Ltd.	230,000	2.32
公益財団法人萩原学術振興財団 - HAGIWARA FOUNDATION OF JAPAN	230,000	2.32
株式会社SBI証券 - SBI SECURITIES Co., Ltd.	226,119	2.28
三井住友信託銀行株式会社 - Sumitomo Mitsui Trust Bank, Limited	178,000	1.80
萩原祥子 - Sachiko Hagiwara	170,575	1.72

※所有株式の割合 (%) は、自己株式 (155,471株) を控除して計算しております。

(The percentage of shares held is calculated by deducting treasury stock (155,471 shares).)

所有者別株式保有の状況 — Shareholding by Shareholder



A solution design company that is creating the future through advanced electronics

We aim to be a corporate group that contributes to a sustainable society by designing new value for the future of our mobility society and manufacturing through digital transformation.

The foundation of our corporate activities is to prioritize our customers' perspective. We not only meet our customers' needs, but we exceed their expectations by using our knowledge as a trading company to make proposals and leverage our proven technologies to deliver the best solution.

The Hagiwara Electric Group works as one to fulfill its role and

mission as a technology-related trading company. We contribute to the achievement of a prosperous society by creating technological bases to support our electronic devices business, technology solutions business, and overseas business expansion, through which we create solutions that add new value and create greater opportunities for success in all fields.



Electronic Devices Business

Supporting a More Prosperous Lifestyle Through Advanced Technology

We evolve together with our customers through advanced electronics technology and logistics services

The digital revolution has finally begun to change the nature of the automobile. We help to solve our customers' problems by providing new services based on our many years of experience in the automotive industry.

Overseas Business Expansion

Supporting Your Global Expansion

Delivering value globally ~Contributing to our customers' overseas expansion and the development of local businesses~

The Hagiwara Electric Group supports the globalization of manufacturing by actively promoting overseas expansion. We currently have a worldwide network originating in Japan and covering North America, Asia and Europe. By utilizing the group know-how and resources of our local bases, we are able to provide the same level of support for customers engaged in overseas manufacturing operations as for customers operating in Japan.

Technology Solutions Business

Supporting the Digital Society of the Future

Toward a digital society transformed by data and technology: expanding the possibilities of the future through digital transformation

We provide solutions for achieving a connected society by integrating and developing the measurement and digitalization technologies that we have cultivated in the manufacturing field, and for achieving the digital transformations that will lead to the digital society of the future.

Technological Base

Supporting Hagiwara Electric Technologies

Creating new value in society with the power of technology

From development of original component technologies to applied technology and cutting-edge technology, we actively pursue new potential and functional diversity in addition to seeking new technologies. We create new value in society by being responsive to the expanding markets of many different industries, while at the same time, using our strengths to support the business of Hagiwara Electric Group.

Electronic Devices Business

We evolve together with our customers through advanced electronics technology and logistics services

The digital revolution has finally begun to change the nature of the automobile. We help to solve our customers' problems by providing new services based on our many years of experience in the automotive industry.

Business Domains

Contributing to the automotive society of tomorrow, transitioning beyond conventional concepts, by providing the cutting edge solutions



Supporting the Latest Innovations

Internal vehicle devices

The safety and comfort of one's car is paramount to a relaxed and enjoyable driving experience. We handle a diverse selection of electronic devices that support these developments. What's more, our team is equipped to provide a personalized experience with advanced device solutions. Our specialists are experienced in developing new cutting edge products that are customized and tailored to suit your company's needs.

Embedded software development

With the increasing usage of electronics in vehicles, the demand for microcontrollers has increased.

To meet this ever increasing demand, we are developing improved software to advance the quality and performance of automotive microcontrollers.



Supporting the Evolution of Industry

Devices for industry and social infrastructure

As automation and motorization expand, so too does the technology used in our daily lives. The electronic devices we supply support these developments and allow us to respond quickly to our customers' needs in a variety of fields even as the global demand outgrows production.

Features of Electronic Devices Business

1. The Hagiwara of Cars

A wealth of achievements in the automotive industry especially in the Chubu region

The Hagiwara Electric Group is based in Nagoya, where the world's top automobile and auto parts manufacturers are located. When the Hagiwara Electric Group was founded, we put down roots in the Chubu region, where we have been able to create and foster close relationships with our customers. These relationships have been cultivated over many years and at their cores are built on trust. This has allowed us to gather the latest knowledge about industry trends as well as accumulate the latest and most advanced technology available with which the cars of the future will be fashioned.

2. The Hagiwara of Solutions

Established partnerships with global leaders and drivers of growth

The partnerships we promote are those that will benefit our customers and provide us the tools to resolve any issues they might face. With a focus on long-established global brands, we are always in pursuit of manufacturers who will be the leaders of the next generation. This commitment to coordinating and selecting only the best assists us in providing our customers with most innovative solutions available.

3. The Hagiwara of Technological Strengths

Our efforts in the field of hardware development and EMS/ODM

In recent years, semiconductors such as LSIs with integrated functionality have become mainstream. The Hagiwara Electric Group utilizes its technological strengths to support the functional development of semiconductors as well as the incorporation of "plus alpha" functions into general purpose products. Due to our advancements in software creation and design, we are able to provide electronics manufacturing services (EMS) and original design manufacturing (ODM).

4. The Hagiwara That Is Everywhere in Society

A presence in multiple fields including industry, robots, housing equipment, and nursing care

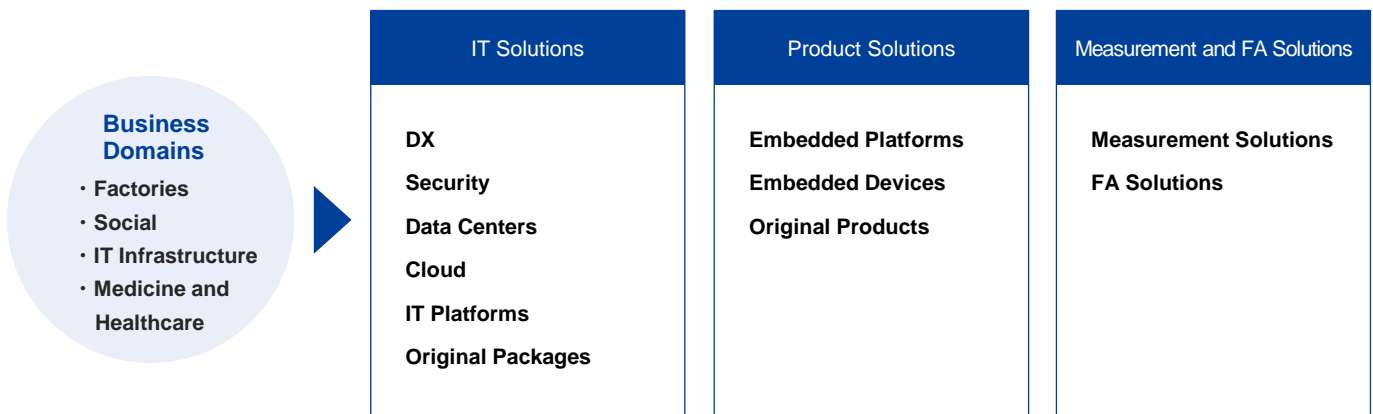
Device solutions from the Hagiwara Electric Group are utilized in factories to accelerate factory automation (FA). Additionally, our solutions are used in both the housing equipment field and the nursing care field. Our cutting-edge inventory of electronic components and ability to propose solutions support automation and motorization, bringing more convenience to our lives.

Technology Solutions Business

Toward a digital society transformed by data and technology: expanding the possibilities of the future through digital transformation

We provide solutions for achieving a connected society
by integrating and developing the measurement and digitalization technologies
that we have cultivated in the manufacturing field,
and for achieving the digital transformations that will lead to the digital society of the future.

Solutions for Every Area



Features of Technology Solutions Business

1. Trading Company with Manufacturing Functions

Partnerships with a variety of manufacturers and our own manufacturing function

In addition to the major manufacturers we have been working with for many years, we also actively collaborate with leading manufacturers across the globe. We assist our customers in finding state-of-the-art technologies and products that suit them. We also have a manufacturing arm where we develop and manufacture our own original products. We resolve the issues faced by our customers through our commitment to quality and meticulous support.

2. Achievements in Industry

A wealth of achievements at auto factories and other production sites especially in the Chubu region

The Chubu region is where many world-class automobile manufacturers and automobile parts manufacturers have their production bases. The region is also playing host to an increasing number of companies engaged in manufacturing equipment for production facilities such as machine tools. Headquartered in Nagoya—the heart of the Chubu—the Hagiwara Electric Group has a proven track record in production site-related business. We are also leveraging these achievements to develop a wide range of solutions in various other fields such as IT and security.

3. Looking Ahead and Being a Pioneer

Using our technological strengths stay new and on trend

From selling computers and servers to building networks and IT platforms, we have always used state-of-the-art and trending technologies such as measurement solutions that support model-based development. We will continue to use our proven, extensive technological resources to seek new technologies that will form the foundation of the next generation.

4. Promoting Digital Transformation and Creating New Value

Delivering new value in the data-driven digital integration and factory integration services market

We are able to utilize our experience in IT, embedded devices, measurement, and other aspects of factory automation (FA) in order to import data from various machines and objects. We create new value by processing the data we collect into meaningful information and promoting digital transformation.

Overseas Business Expansion

Delivering value globally ~Contributing to our customers' overseas expansion and the development of local businesses~

The Hagiwara Electric Group supports the globalization of manufacturing by actively promoting overseas expansion. We currently have a worldwide network originating in Japan and covering North America, Asia and Europe. By utilizing the group know-how and resources of our local bases, we are able to provide the same level of support for customers engaged in overseas manufacturing operations as for customers operating in Japan. Our goal is to strengthen the development support system of local subsidiaries by implementing measures such as stationing engineers at each location. This allows us to contribute to the creation and expansion of global markets with our customers while at the same time developing new products and new businesses.

Approach to Overseas Business

- Meeting the global needs of Japanese companies
- Proposing Solutions That Correspond with Local Needs
- Expanding Our Overseas Network
- Business localization
- Enhancing development and design
- Creating new markets

Technological Base

Creating new value in society with the power of technology

From development of original component technologies to applied technology and cutting-edge technology, we actively pursue new potential and functional diversity in addition to seeking new technologies. We create new value in society by being responsive to the expanding markets of many different industries, while at the same time, using our strengths to support the business of Hagiwara Electric Group.

Hagiwara Electric's Strengths



The Hagiwara Electric Group's strength lies in the ability to use our technological advantages to provide solutions for issues and challenges faced by our customers. Our technologies are largely divided into support technology and development technology, and at the heart of both of these is our component technology and experience. Electronic products are becoming increasingly sophisticated and complex. What is needed now is not only product lineup, but also the ability to support all the technical aspects of a customer's project by utilizing expertise in each field of the customer's business. Utilizing our proven track record and the experience we have accrued, we serve the role of a bridge between suppliers and customers. Our competencies translate into an ability to support our customers' product development and to help their business succeed. At the heart of our ability to provide solutions is the technological strength of the Hagiwara Electric Group and we will further enhance it as a horizontally interconnected foundation that supports the entire Group.

Our Technologies

Examples of Support Technologies



Support for Component Selection

- Introduction of new products from manufacturing partners
- Provision of the latest product information and technical trends
- Assistance in new product evaluation and comparative evaluation of parts



Development Support for Customers

- Support for advance development of embedded systems
- Support for development of embedded software and hardware mass production
- Support for constructing IT and other systems (system integrator)
- Introduction of partner companies that can perform development and evaluation



Support for Failure Analysis

- Cooperation in failure classification, reproduction testing and analysis
- Follow up on failure analysis in collaboration with manufacturing partners

Examples of Development Technologies



Contracted Development of Embedded Systems

- Embedded software development and evaluation
- Development of embedded system hardware
- Circuit design and evaluation of system LSIs and ICs



Contracted Development Related to IT Solutions

- IoT-related system development
- System development for production management systems, etc.
- Construction of various FA and measurement systems



Establishment of Evaluation Environments and Contracted Development of Component Technologies for Automated Driving and Other Systems

- Acquisition of car driving video and data tagging
- Image processing that can be applied to electronic mirrors and peripheral monitoring
- Implementation of new algorithms in embedded systems

Corporate Profile

(Operating companies in Japan)



HAGIWARA ELECTRONICS CO., LTD.

Name of Company	HAGIWARA ELECTRONICS CO., LTD.
Location	Takaoka Park Building, 2-2-1 Higashi Sakura, Higashi-ku, Nagoya-shi, Aichi
Representative	Takeshi Soejima, President and Representative Director
Established	May 1, 2017 (Business operation commenced on April 1, 2018)
Share Capital	1,310 million yen
Major Business	Sale of integrated circuits, semiconductors and electron devices

HAGIWARA TECHNO SOLUTIONS CO., LTD.

Name of Company	HAGIWARA TECHNO SOLUTIONS CO., LTD.
Location	Takaoka KANAME Building, 2-28-23 Izumi, Higashi-ku, Nagoya-shi, Aichi
Representative	Chihiro Kashima, President and Representative Director
Established	May 1, 2017 (Business operation commenced on April 1, 2018)
Share Capital	310 million yen
Major Business	Sale of electronic equipment and manufacture and sale of FA equipment

HAGIWARA ENGINEERING CO., LTD.

Name of Company	HAGIWARA ENGINEERING CO., LTD.
Location	326, Sayamagahara, Iruma-shi, Saitama
Representative	Hiroaki Fujita, President and Representative Director
Established	April 26, 1990
Share Capital	484 million yen
Major Business	Sensor devices assemble equipment, energy-related manufacturing equipment, flat panel display module assemble equipment and other automated manufacturing equipment

HAGIWARA HOKUTO TECHNO CO., LTD.

Name of Company	HAGIWARA HOKUTO TECHNO CO., LTD.
Location	Takaoka Park Building, 2-2-1 Higashi Sakura, Higashi-ku, Nagoya-shi, Aichi
Representative	Atsunori Shigenobu, President and Representative Director
Established	April 2, 2018
Share Capital	45 million yen
Equity ownership ratio	HAGIWARA ELECTRONICS CO., LTD.: 66.56% Hokuto System Co., Ltd.: 33.44%
Major Business	Consignment and services related to in-vehicle software verification and development



Contact

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