

2011 MANPOWER STATISTICAL REPORT

OF THE

ELECTRICAL AND MECHANICAL SERVICES INDUSTRY

CONTENTS

<u>Section</u>	<u>Title</u>	<u>Page</u>
1	Summary of Survey Findings	1 - 11
 <u>Appendix</u>		
1	Manpower Statistics of the Whole Electrical and Mechanical Engineering Sector	12 - 16
2	Manpower Statistics of the Electrical and Mechanical Engineering Sector Branch I: Contracting Branch	17 - 20
3	Manpower Statistics of the Electrical and Mechanical Engineering Sector Branch II: Electrical Fitting and Water Plumbing Branch	21 - 23
4	Manpower Statistics of the Electrical and Mechanical Engineering Sector Branch III: Servicing Branch	24 - 28
5	Manpower Statistics of the Electrical and Mechanical Engineering Sector Branch IV: Supplementary Samples	29 - 32
6	Manpower Statistics of the Electrical and Mechanical Engineering Sector, by Industry Code and by Job Levels	33 - 43

7	Manpower Statistics of the Shipbuilding and Ship Repair Sector	44 - 46
8	Manpower Statistics of the Gas Sector	47 - 48
9	Distribution of Employees by Monthly Income Range of the Electrical and Mechanical Engineering Sector	49 - 52
10	Distribution of Employees by Monthly Income Range of the Shipbuilding and Ship Repair Sector	53 - 54
11	Distribution of Employees by Monthly Income Range of the Gas Sector	55 - 56
12	Manpower Supply Situation for the Electrical and Mechanical Services Industry in the past 12 Months	57 - 58

2011 Manpower Statistical Report of The Electrical and Mechanical Services Industry

Summary of Survey Findings

Introduction

The Electrical and Mechanical Services Training Board conducted its 2011 manpower survey on the electrical and mechanical services industry between 14th March 2011 and 13th August 2011 to collect up-to-date manpower information with a view to assessing the industry's manpower structure and training needs.

Scope of the Survey

2. The survey covered the following sectors/branches of the electrical and mechanical services industry:

Sector A : Electrical and Mechanical Engineering

Branch 1 : Contracting (E & M) Branch

Contractors dealing with electrical and mechanical systems and equipment including:

- (a) Electrical wiring and fitting (HSIC : 432101);
- (b) Air-conditioning and ventilation system, installation and maintenance (HSIC : 432201); and
- (c) Fire alarm and fire fighting equipment, installation and maintenance (HSIC : 432103).

Branch 2 : Electrical Fitting with Water Plumbing Branch

Engineering companies of the electrical fitting with water plumbing (HSIC : 432102)

Branch 3 : Servicing (E & M) Branch

Servicing companies of electrical and mechanical engineering sector including:

- (a) Lift and escalator installation and maintenance (HSIC : 432901) * ;
- (b) Telecommunications equipment, installation and maintenance (HSIC : 432106) * ;
- (c) Combined and other installation and maintenance of electrical and mechanical equipment (HSIC : 432199) * ;
- (d) Aircraft assembly and manufacture of related machinery (HSIC : 303000);
- (e) Electric power generation, transmission and distribution (HSIC: 351000);
- (f) Railway and cable transport (HSIC : 491000);
- (g) Building services engineering (HSIC : 711400);
- (h) Repair of electrical equipment (HSIC : 331400);
- (i) Repair of household appliances, home and garden equipment (HSIC : 953200).

Branch 4 : Supplementary Samples - Other Relevant Organizations in
E & M Engineering Sector

Other relevant organizations in the electrical and mechanical engineering sector including:

- (a) Major trading companies of electrical products, equipment and systems having associated servicing workshops;
- (b) Real estate management companies which have building services maintenance workers; and
- (c) Relevant divisions of government departments and educational institutions.

* classified under the Contracting Branch (i.e. Branch 1) in the 2009 E&M Services Industry Manpower Survey

Sector B : Shipbuilding and Ship Repair

Branch 5 : Shipyards and Boatyards, including:

- (a) Building of ships and floating structures (HSIC 301100);
- (b) Building of pleasure and sporting boats (HSIC 301200);and
- (c) Repair of water transport equipment (HSIC 331500);

Branch 6 : Supplementary Samples - Shipping firms and fleet operators recruiting local shore-based technical staff, consulting firms, classification societies of ships, government agencies and educational institutions.

Sector C : Gas

Establishments include:

Branch 7 : Gas supply companies including gas manufacturing and distribution (HSIC 352000);

Branch 8 : Gas utilization companies including gas fitting, installation and maintenance (HSIC 432204);

Branch 9 : Supplementary Samples – Trading companies of gas equipment having associated servicing workshops, and relevant divisions of Government departments and education institutions.

3. In view of the limited resources, a stratified random sampling method was adopted to select 1 024 establishments recorded by the Census and Statistics Department in the Hong Kong Standard Classifications (HSIC) list in paragraph 2. Together with 149 selected organizations, a total of 1 173 establishments were included and they employed about 82% of the total workforce of the industry.

Number of Workers Employed

4. The survey revealed that at the time of survey, totally 64 625 workers were employed in principal jobs of electrical/mechanical engineering and related disciplines in the electrical and mechanical services industry in

Hong Kong. Of the 64 625 workers, 60 060 workers were employed in the electrical and mechanical engineering sector, 2 509 workers in the shipbuilding and ship repair sector, and 2 056 workers in the gas sector. The survey also revealed that there were 29 284 workers of other disciplines working in the electrical and mechanical services industry. Among the 29 284 workers, 24 502 workers were employed in the electrical and mechanical engineering sector, 2 611 workers in the shipbuilding and ship repair sector and 2 171 workers in the gas sector.

Electrical and Mechanical Engineering Sector (Appendices 1 to 6)

5. The distribution of workers according to job level in the branches of the electrical and mechanical engineering sector is as below:

Branch	Professional / Technologist	Technician	Tradesman / Craftsman	Semi-skilled / General Worker	Total
Contracting (E & M)	1 622	2 665	13 702	1 039	19 028
Electrical Fitting with Water Plumbing	73	110	2 830	203	3 216
Servicing (E & M)	4 080	6 875	14 255	1 184	26 394
Supplementary Samples	1 945	3 862	5 029	586	11 422
Total	7 720	13 512	35 816	3 012	60 060
Percentage of total number of workers	12.9%	22.5%	59.6%	5.0%	100%

6. Since many companies were engaged in both contracting and servicing works, respondents of this round of survey were asked to estimate their manpower devoted to these two types of businesses. The finding was that within the E&M Engineering sector, about 43.1% of manpower were devoted to contracting work, while the other 56.9% of manpower were devoted to servicing work. In terms of head counts, they were equivalent to 25 907 and 34 153 workers for contracting and servicing businesses respectively. The detailed breakdown is as below:

Job Level	No. of Workers Employed	Estimated Manpower for Contracting	Estimated Manpower for Servicing
Professional / Technologist	7 720	4 180 (54.1%)	3 540 (45.9%)
Technician	13 512	5 141 (38.0%)	8 371 (62.0%)
Tradesman / Craftsman	35 816	15 431 (43.1%)	20 385 (56.9%)
Semi-skilled / General Worker	3 012	1 155 (38.3%)	1 857 (61.7%)
Total	60 060	25 907 (43.1%)	34 153 (56.9%)

7. For comparison, if the classification method of the previous rounds of survey was adopted, i.e. counting all workers in each industry code as either 100% contracting or 100% servicing, the distribution of workers in the E&M Engineering Sector would be:

Job Level	No. of Workers Employed	Estimated Manpower for Contracting	Estimated Manpower for Servicing
Professional / Technologist	7 720	2 129 (27.6%)	5 591 (72.4%)
Technician	13 512	3 890 (29.8%)	9 622 (71.2%)
Tradesman / Craftsman	35 816	16 811 (46.9%)	19 005 (53.1%)
Semi-skilled / General Worker	3 012	1 487 (49.4%)	1 525 (50.6%)
Total	60 060	24 317 (40.5%)	35 743 (59.5%)

N.B. After examining the information provided by respondents, i.e. Appendix 6, the Working Party on Manpower Survey decided at its 19th Meeting that Branch 1 and Branch 3(b), i.e. Industry Code 432106 (Telecommunication equipment installation and maintenance) of the E&M engineering sector are classified as contracting. Branch 3(c), i.e. Industry Code 432199 (Combined and other installation and maintenance of E&M equipment) is classified as 50% contracting and 50% servicing. All others are classified as servicing.

8. The manpower statistics, based on principle jobs of the whole electrical and mechanical engineering sector are tabulated in Appendix 1 while that of its Contracting (E & M) branch, Electrical Fitting with Water Plumbing branch, Servicing (E & M) branch and Supplementary Samples are in Appendices 2, 3, 4 and 5 respectively.

9. The manpower statistics, based on industry code and job levels of the electrical and mechanical engineering sector are tabulated in Appendix 6.

10. At the time of the survey, there were 2 629 trainees under various forms of training in the electrical and mechanical engineering sector, representing 4.4% of the total workforce. Employers reported a total of 2 344 vacancies, representing 3.9% of the total manpower in the sector. A summary of the number of trainees and vacancies by job level is shown below (with full distribution in Appendix 1):

Job Level	No. of Workers Employed	No. of Trainees	Percentage of Workers at the Same Level	No. of Vacancies	Percentage of Workers at the Same Level
Professional / Technologist	7 720	298	3.9%	252	3.3%
Technician	13 512	199	1.5%	335	2.5%
Tradesman / Craftsman	35 816	2 132	6.0%	1 663	4.6%
Semi-skilled / General Worker	3 012	-	-	94	3.1%
Total	60 060	2 629	4.4%	2 344	3.9%

Shipbuilding and Ship Repair Sector (Appendix 7)

11. The distribution of workers by job level of the shipbuilding and ship repair sector is as below:

Job Level	Professional/ Technologist	Technician	Tradesman/ Craftsman	Semi-skilled/ General Worker	Total
No. of Workers	315	566	1 387	241	2 509
Percentage of total number of workers	12.5%	22.6%	55.3%	9.6%	100%

12. At the time of survey, there were 33 trainees and 116 job vacancies, representing 1.3% and 4.6% respectively of the total workforce in the shipbuilding and ship repair sector. Their distribution by job level is as below:

Job Level	No. of Workers Employed	No. of Trainees	Percentage of Workers at the Same Level	No. of Vacancies	Percentage of Workers at the Same Level
Professional/ Technologist	315	-	-	6	1.9%
Technician	566	14	2.5%	13	2.3%
Tradesman/ Craftsman	1 387	19	1.4%	77	5.6%
Semi-skilled/ General Worker	241	-	-	20	8.3%
Total	2 509	33	1.3%	116	4.6%

13. The manpower statistics of the shipbuilding and ship repair sector, together with its distribution of trainees and vacancies among the principal jobs at the time of survey were given in Appendix 7.

**Gas Sector
(Appendix 8)**

14. The distribution of workers by job level is as below:

Job Level	Professional/ Technologist	Technician	Tradesman/ Craftsman	Semi-skilled/ General Worker	Total
No. of Workers	381	613	953	109	2 056
Percentage of total number of workers	18.5%	29.8%	46.4%	5.3%	100%

15. In the gas sector, employers reported a total of 101 trainees and 23 job vacancies, representing 4.9% and 1.1% respectively of the total number of workers in the gas sector. The distribution by job level is as below:

Job Level	No. of Workers Employed	No. of Trainees	Percentage of Workers at the Same Level	No. of Vacancies	Percentage of Workers at the Same Level
Professional/ Technologist	381	9	2.4%	4	1.0%
Technician	613	4	0.7%	6	1.0%
Tradesman/ Craftsman	953	88	9.2%	13	1.4%
Semi-skilled/ General Worker	109	-	-	-	-
Total	2 056	101	4.9%	23	1.1%

16. The manpower statistics of the gas sector, together with its distribution of trainees and vacancies among the principal jobs at the time of survey were given in Appendix 8.

Monthly Income Range (Appendices 9 to 11)

17. The distribution of workers by their total monthly income range for each principal job of the three sectors of the electrical and mechanical services industry are tabulated in Appendices 9 to 11.

Manpower Flow in the Past 12 Months

18. The numbers of workers, including workers for retirement, left the establishments and the numbers of workers recruited by the establishments (excluding new graduates, workers from other industries or trainees) in the past 12 months are listed as below.

Job level	No. of Workers Employed (a)	No. of Workers Left in Past 12 Months (b)	Turnover Rate =(b)/(a)	No. of Workers Recruited in Past 12 Months
A. Electrical and Mechanical Engineering Sector				
Professional / Technologist	7 720	637	8.3%	643
Technician	13 512	1 024	7.6%	934
Tradesman / Craftsman	35 816	8 712	24.3%	8 703
Semi-skilled Worker / General Worker	3 012	495	16.4%	477
Sub-total	60 060	10 868	18.1%	10 757
B. Shipbuilding and Ship Repair Sector				
Professional / Technologist	315	13	4.1%	12
Technician	566	17	3.0%	20
Tradesman / Craftsman	1 387	149	10.7%	138
Semi-skilled Worker / General Worker	241	82	34.0%	81
Sub-total	2 509	261	10.4%	251
C. Gas Sector				
Professional / Technologist	381	6	1.6%	10

Job level	No. of Workers Employed (a)	No. of Workers Left in Past 12 Months (b)	Turnover Rate =(b)/(a)	No. of Workers Recruited in Past 12 Months
Technician	613	8	1.3%	14
Tradesman / Craftsman	953	37	3.9%	19
Semi-skilled Worker / General Worker	109	4	3.7%	5
Sub-total	2 056	55	2.7%	48

Workers Deployed to Work Outside Hong Kong for More Than 6 Months in the Past 12 Months

19. The numbers of workers deployed to work outside Hong Kong for more than 6 months in the past 12 months are summarized as follows:

Job level	No. of Workers Deployed to Work Outside Hong Kong
A. Electrical and Mechanical Engineering Sector	
Professional / Technologist	130
Technician	51
Tradesman / Craftsman	166
Sub-total	347
B. Shipbuilding and Ship Repair Sector	
Professional / Technologist	5
Technician	4
Tradesman / Craftsman	11
Sub-total	20
C. Gas Sector	
Professional / Technologist	3
Technician	1
Tradesman / Craftsman	0
Sub-total	4

**Manpower Supply Situation in the Past 12 Months
(Appendix 12)**

20. Employers' view on the manpower supply situation in the past twelve months is listed in Appendix 12.

THE WHOLE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

整個機電工程行業

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Building Services Engineer 屋宇設備工程師	852	58	28	25	895
Electrical Engineer 電機工程師	2 332	90	91	80	2 433
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	791	26	18	23	812
Mechanical Engineer 機械工程師	1 108	37	40	37	1 156
Plumbing and Drainage Engineer 水喉及渠務工程師	111	46	5	42	119
Lift/Escalator Engineer 升降機／自動梯工程師	208	-	2	-	210
Fire Services Engineer 消防設備工程師	371	7	23	5	394
Electronics Engineer 電子工程師	559	20	11	17	571
Control and Instrumentation Engineer 控制及儀器工程師	150	5	7	3	165
Engineering Manager 工程經理	1 101	9	20	9	1 125
Safety Officer 安全主任	137	-	7	-	142
Sub-total 小計	7 720	298	252	241	8 022

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TECHNICIAN LEVEL 技術員級					
Supervisor 監督	3 265	39	40	30	3 306
Building Services Technician 屋宇設備技術員	1 751	34	58	35	1 737
Draughtsman 繪圖員	697	2	43	11	742
Electrical Engineering Technician 電機工程技術員	1 814	33	44	51	1 851
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	1 226	29	21	55	1 251
Mechanical Engineering Technician 機械工程技術員	1 634	19	19	26	1 652
Lift/Escalator Technician 升降機／自動梯技術員	622	2	2	2	624
Fire Services Technician 消防設備技術員	467	6	23	8	490
Electrical Instrument and Meter Technician 電工儀器技術員	78	-	1	-	79
Electronics Technician 電子技術員	1 050	18	27	17	1 064
Telecommunication Technician 電訊技術員	753	17	54	21	799
Office Equipment Service Technician 辦公室設備維修技術員	87	-	-	-	87
Assistant Safety Officer/Safety Supervisor 助理安全主任/安全督導員	68	-	3	-	69
Sub-total 小計	13 512	199	335	256	13 751

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL 技工級					
Foreman/Chargehand 管工／領工	4 645	70	98	69	4 658
Building Services Mechanic 屋宇設備技工	1 554	83	82	72	1 596
Electrician/Electrical Fitter 電工／電氣打磨裝配工	9 515	551	490	735	9 848
Control Panel Assembler 控制板裝配工	28	4	-	-	32
Electrical Wireman 電氣佈線工	902	22	7	22	909
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工(電力控制)	3 531	408	191	472	3 615
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) 空調製冷設備技工(獨立系統)	1 885	262	72	339	1 917
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/ Sheet Metal Worker 空調製冷設備技工(送風系統) / 簿片金屬構造工	782	81	-	43	797
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation)/ Thermal Insulation Craftsman 空調製冷設備技工(保溫) / 保溫技工	211	-	-	-	211
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 空調製冷設備技工(水系統)	103	-	-	-	103
Plumber and Pipe Fitter 喉管工	384	5	10	1	400

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Mechanical Fitter/Machinist 機械打磨裝配工/機床工	3 303	441	224	184	3 768
Lift Mechanic 升降機技工	2 507	43	17	50	2 524
Escalator Mechanic 自動梯技工	124	2	2	10	126
Fire Services Electrical Fitter 消防電氣裝配工	843	-	67	20	910
Fire Services Mechanical Fitter 消防機械裝配工	1 141	67	22	87	1 218
Cable Jointer (Power) 強電流電纜接駁技工	324	10	3	9	327
Overhead Linesman 架空電線技工	404	19	7	23	411
Electrical Appliances Service Mechanic 電器用具維修技工	803	9	8	19	812
Welder 焊接工	175	1	6	2	171
Carpenter 木工	139	-	5	-	145
Painter 髹漆工	127	-	2	-	119
AV and RF Mechanic 影音及射頻技工	236	5	1	5	236
Building Security System Mechanic 屋宇防盜系統技工	21	-	-	-	21
Communication System Mechanic 電訊系統裝配工	2 129	49	349	167	2 497
Sub-total 小計	35 816	2 132	1 663	2 329	37 371

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
SEMI-SKILLED WORKER/GENERAL WORKER 半技術工人／普通工人					
Labourer 雜工	945	-	24	-	917
Semi-skilled Worker 半技術工人	2 067	-	70	-	2 109
Sub-total 小計	3 012	-	94	-	3 026
GRAND TOTAL 總 計	60 060	2 629	2 344	2 826	62 170

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

機電工程行業

BRANCH I : CONTRACTING E&M BRANCH

門類 I: 承造

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Building Services Engineer 屋宇設備工程師	80	6	-	2	93
Electrical Engineer 電機工程師	218	4	22	9	241
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	577	3	8	8	585
Mechanical Engineer 機械工程師	24	1	-	1	24
Fire Services Engineer 消防設備工程師	257	-	20	-	277
Electronics Engineer 電子工程師	142	-	-	-	142
Engineering Manager 工程經理	292	-	2	-	294
Safety Officer 安全主任	32	-	3	-	35
Sub-total 小計	1 622	14	55	20	1 691

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TECHNICIAN LEVEL 技術員級					
Supervisor 監督	523	-	1	-	525
Building Services Technician 屋宇設備技術員	31	-	-	-	31
Draughtsman 繪圖員	286	-	32	10	319
Electrical Engineering Technician 電機工程技術員	354	-	-	-	354
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝/空氣調節/通風設備 技術員	848	4	1	14	850
Mechanical Engineering Technician 機械工程技術員	33	-	-	-	33
Fire Services Technician 消防設備技術員	421	3	20	3	441
Electronics Technician 電子技術員	139	-	-	-	139
Assistant Safety Officer/Safety Supervisor 助理安全主任/安全督導員	30	-	-	-	30
Sub-total 小計	2 665	7	54	27	2 722
TRADESMAN/CRAFTSMAN LEVEL 技工級					
Foreman/Chargehand 管工/領工	1 685	-	-	-	1 681
Building Services Mechanic 屋宇設備技工	75	10	-	10	75
Electrician/Electrical Fitter 電工/電氣打磨裝配工	3 847	230	260	366	3 947
Electrical Wireman 電氣佈線工	765	20	5	20	770

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TRADESMAN/craftsman LEVEL (Continued) 技工級 (續)					
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工(電力控制)	2 768	389	119	435	2 827
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) 空調製冷設備技工(獨立系統)	1 446	195	20	272	1 466
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/ Sheet Metal Worker 空調製冷設備技工(送風系統/簿 片金屬構造工	611	40	-	40	586
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation)/ Thermal Insulation Craftsman 空調製冷設備技工(保溫) /保溫 技工	168	-	-	-	168
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 空調製冷設備技工(水系統)	85	-	-	-	85
Plumber and Pipe Fitter 喉管工	21	-	-	-	21
Mechanical Fitter/Machinist 機械打磨裝配工/機床工	13	-	-	-	13
Fire Services Electrical Fitter 消防電氣裝配工	799	-	65	20	864
Fire Services Mechanical Fitter 消防機械裝配工	1 125	67	20	87	1 200
Electrical Appliances Service Mechanic 電器用具服務技工	20	-	-	-	20
Welder 焊接工	84	-	-	-	84

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計2012年 3月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計2012年 3月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Painter 髹漆工	40	-	-	-	40
AV and RF Mechanic 影音及射頻技工	70	-	-	-	70
Communication System Mechanic 電訊系統裝配工	80	-	-	-	80
Sub-total 小計	13 702	951	489	1 250	13 997
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人					
Labourer 雜工	215	-	-	-	211
Semi-skilled Worker 半技術工人	824	-	30	-	849
Sub-total 小計	1 039	-	30	-	1 060
GRAND TOTAL 總 計	19 028	972	628	1 297	19 470

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

機電工程行業

BRANCH II: ELECTRICAL FITTING AND WATER PLUMBING

門類 II: 水電工程

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的受訓 者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Building Services Engineer 屋宇設備工程師	46	-	5	-	51
Electrical Engineer 電機工程師	13	-	-	-	13
Engineering Manager 工程經理	12	-	-	-	12
Safety Officer 安全主任	2	-	-	-	2
Sub-total 小計	73	-	5	-	78
TECHNICIAN LEVEL 技術員級					
Supervisor 監督	47	-	-	-	47
Building Services Technician 屋宇設備技術員	10	-	-	-	10
Draughtsman 繪圖員	5	-	-	-	5
Electrical Engineering Technician 電機工程技術員	40	-	-	-	40

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的受訓 者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TECHNICIAN LEVEL (Continued) 技術員級 (續)					
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝/空氣調節/通風設備 技術員	1	2	-	2	1
Mechanical Engineering Technician 機械工程技術員	2	-	-	-	2
Assistant Safety Officer/ Safety Supervisor 辦公室設備維修技術員	5	-	-	-	5
Sub-total 小計	110	2	-	2	110
TRADESMAN/ CRAFTSMAN LEVEL 技工級					
Foreman/Chargehand 管工/領工	388	-	5	-	388
Building Services Mechanic 屋宇設備技工	144	5	13	5	147
Electrician/Electrical Fitter 電工/電氣打磨裝配工	2 127	63	97	133	2 241
Electrical Wireman 電氣佈線工	5	-	-	-	5
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工(電力控制)	9	-	-	-	9
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/ Sheet Metal Worker 空調製冷設備技工(送風系統)/簿 片金屬構造工	1	-	-	-	1
Plumber and Pipe Fitter 喉管工	141	1	2	1	144
Mechanical Fitter/Machinist 機械打磨裝配工/機床工	5	-	-	-	5

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的受訓 者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/craftsman LEVEL (Continued) 技工級 (續)					
Carpenter 木工	10	-	-	-	10
Sub-total 小計	2 830	69	117	139	2 950
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人					
Labourer 雜工	22	-	-	-	22
Semi-skilled Worker 半技術工人	181	-	-	-	181
Sub-total 小計	203	-	-	-	203
GRAND TOTAL 總 計	3 216	71	122	141	3 341

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

機電工程行業

BRANCH II: SERVICING E&M BRANCH

門類 III: 服務

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Building Services Engineer 屋宇設備工程師	304	16	10	16	314
Electrical Engineer 電機工程師	1 448	31	44	41	1 506
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	97	3	7	5	107
Mechanical Engineer 機械工程師	861	24	36	29	904
Plumbing and Drainage Engineer 水喉及渠務工程師	81	32	5	32	89
Lift/Escalator Engineer 升降機／自動梯工程師	207	-	2	-	209
Fire Services Engineer 消防設備工程師	63	-	3	-	66
Electronics Engineer 電子工程師	232	6	10	5	242
Control and Instrumentation Engineer 控制及儀器工程師	121	5	2	3	131

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL (Continued) 專業人士／技師級 (續)					
Engineering Manager 工程經理	585	-	18	-	607
Safety Officer 安全主任	81	-	4	-	83
Sub-total 小計	4 080	117	141	131	4 258
TECHNICIAN LEVEL 技術員級					
Supervisor 監督	2 079	33	19	28	2 105
Building Services Technician 屋宇設備技術員	550	28	14	31	564
Draughtsman 繪圖員	306	-	11	-	317
Electrical Engineering Technician 電機工程技術員	896	33	19	49	920
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	143	22	10	37	153
Mechanical Engineering Technician 機械工程技術員	1 137	19	10	26	1 149
Lift/Escalator Technician 升降機／自動梯技術	611	2	2	2	613
Fire Services Technician 消防設備技術員	33	3	3	5	36
Electrical Instrument and Meter Technician 電工儀器技術員	53	-	-	-	53
Electronics Technician 電子技術員	353	17	8	16	361
Telecommunication Technician 電訊技術員	594	3	43	4	637

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TECHNICIAN LEVEL (Continued) 技術員級 (續)					
Office Equipment Service Technician 辦公室設備維修技術員	87	-	-	-	87
Assistant Safety Officer/ Safety Supervisor 助理安全主任／安全督導員	33	-	3	-	34
Sub-total 小計	6 875	160	142	198	7 029
TRADESMAN/ CRAFTSMAN LEVEL 技工級					
Foreman/Chargehand 管工／領工	791	-	6	-	793
Building Services Mechanic 屋宇設備技工	414	40	47	41	421
Electrician/Electrical Fitter 電工／電氣打磨裝配工	2 805	205	43	160	2 899
Control Panel Assembler 控制板裝配工	8	-	-	-	8
Electrical Wireman 電氣佈線工	120	-	-	-	120
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工(電力控制)	353	-	2	-	355
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) 空調製冷設備技工(獨立系統)	386	60	52	60	398
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/ Sheet Metal Worker 空調製冷設備技工(送風系統)／ 簿片金屬構造工	154	40	-	-	194

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation)/ Thermal Insulation Craftsman 空調製冷設備技工(保溫)/保溫 技工	37	-	-	-	37
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 空調製冷設備技工(水系統)	10	-	-	-	10
Plumber and Pipe Fitter 喉管工	204	-	7	-	211
Mechanical Fitter/Machinist 機械打磨裝配工/機床工	2 361	360	40	60	2 732
Lift Mechanic 升降機技工	2 507	43	17	50	2 524
Escalator Mechanic 自動梯技工	124	2	2	10	126
Fire Services Electrical Fitter 消防電氣裝配工	44	-	2	-	46
Fire Services Mechanical Fitter 消防機械裝配工	16	-	2	-	18
Cable Jointer (Power) 強電流電纜接駁技工	324	10	3	9	327
Overhead Linesman 架空電線技工	404	19	7	23	411
Electrical Appliances Service Mechanic 電器用具服務技工	778	7	7	17	785
Welder 焊接工	80	-	6	-	76
Carpenter 木工	92	-	1	-	93
Painter 髹漆工	39	-	2	-	31
AV and RF Mechanic 影音及射頻技工	159	5	-	5	159

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Building Security System Mechanic 屋宇防盜系統技工	21	-	-	-	21
Communication System Mechanic 電訊系統裝配工	2 024	49	328	167	2 379
Sub-total 小計	14 255	840	574	602	15 174
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人					
Labourer 雜工	480	-	6	-	466
Semi-skilled Worker 半技術工人	704	-	17	-	691
Sub-total 小計	1 184	-	23	-	1 157
GRAND TOTAL 總 計	26 394	1 117	880	931	27 618

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

機電工程行業

BRANCH IV: SUPPLEMENTARY SAMPLES

其他相關機構

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Building Services Engineer 屋宇設備工程師	422	36	13	7	437
Electrical Engineer 電機工程師	653	55	25	30	673
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	117	20	3	10	120
Mechanical Engineer 機械工程師	223	12	4	7	228
Plumbing and Drainage Engineer 水喉及渠務工程師	30	14	-	10	30
Lift/Escalator Engineer 升降機／自動梯工程師	1	-	-	-	1
Fire Services Engineer 消防設備工程師	51	7	-	5	51
Electronics Engineer 電子工程師	185	14	1	12	187
Control and Instrumentation Engineer 控制及儀器工程師	29	-	5	-	34

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL (Continued) 專業人士／技師級 (續)					
Engineering Manager 工程經理	212	9	-	9	212
Safety Officer 安全主任	22	-	-	-	22
Sub-total 小計	1 945	167	51	90	1 995
TECHNICIAN LEVEL 技術員級					
Supervisor 監督	616	6	20	2	629
Building Services Technician 屋宇設備技術員	1 160	6	44	4	1 132
Draughtsman 繪圖員	100	2	-	1	101
Electrical Engineering Technician 電機工程技術員	524	-	25	2	537
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	234	1	10	2	247
Mechanical Engineering Technician 機械工程技術員	462	-	9	-	468
Lift/Escalator Technician 升降機／自動梯技術	11	-	-	-	11
Fire Services Technician 消防設備技術員	13	-	-	-	13
Electrical Instrument and Meter Technician 電工儀器技術員	25	-	1	-	26
Electronics Technician 電子技術員	558	1	19	1	564
Telecommunication Technician 電訊技術員	159	14	11	17	162

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TECHNICIAN LEVEL (Continued) 技術員級 (續)					
Sub-total 小計	3 862	30	139	29	3 890
TRADESMAN/ CRAFTSMAN LEVEL 技工級					
Foreman/Chargehand 管工／領工	1 781	70	87	69	1 796
Building Services Mechanic 屋宇設備技工	921	28	22	16	953
Electrician/Electrical Fitter 電工／電氣打磨裝配工	736	53	90	76	761
Control Panel Assembler 控制板裝配工	20	4	-	-	24
Electrical Wireman 電氣佈線工	12	2	2	2	14
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工(電力控制)	401	19	70	37	424
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary System) 空調製冷設備技工(獨立系統)	53	7	-	7	53
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/ Sheet Metal Worker 空調製冷設備技工(送風系統)／ 薄片金屬構造工	16	1	-	3	16
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation)/ Thermal Insulation Craftsman 空調製冷設備技工(保溫)／保溫 技工	6	-	-	-	6
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 空調製冷設備技工(水系統)	8	-	-	-	8

Job Title 職 稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Plumber and Pipe Fitter 喉管工	18	4	1	-	24
Mechanical Fitter/Machinist 機械打磨裝配工／機床工	924	81	184	124	1 018
Electrical Appliances Service Mechanic 電器用具服務技工	5	2	1	2	7
Welder 焊接工	11	1	-	2	11
Carpenter 木工	37	-	4	-	42
Painter 髹漆工	48	-	-	-	48
AV and RF Mechanic 影音及射頻技工	7	-	1	-	7
Communication System Mechanic 電訊系統裝配工	25	-	21	-	38
Sub-total 小計	5 029	272	483	338	5 250
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人					
Labourer 雜工	228	-	18	-	218
Semi-skilled Worker 半技術工人	358	-	23	-	388
Sub-total 小計	586	-	41	-	606
GRAND TOTAL 總 計	11 422	469	714	457	11 741

THE WHOLE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR

整個機電工程行業

MANPOWER STATISTICS (SUBDIVIED BY INDUSTRY CODE)

人力狀況 (以行業編號細分)

TABLE 1 : ALL TECHNICAL JOB LEVELS

圖表一: 所有技術職級

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
Branch 1: Contracting (E&M) 門類 I: 承造					
432101 Electrical wiring and fitting 電線鋪設及電器裝設	6 834	63.4%	4 336	36.6%	2 498
432103 Fire alarm and fire fighting equipment, installation and maintenance 火警及滅火設備安裝及保養	3 326	73.6%	2 449	26.4%	877
432201 Air-conditioning and ventilation system, installation and maintenance 空氣調節及通風系統安裝及保養	8 868	69.9%	6 196	30.1%	2 672
Sub-total 小計	19 028	68.2%	12 981	31.8%	6 047
Branch 2 : Electrical Fitting with Water Plumbing Branch 門類 II: 水電工程					
432102 Engineering companies of the electrical fitting with water plumbing 電器裝設兼水管鋪設	3 216	55.4%	1 782	44.6%	1 434
Sub-total 小計	3 216	55.4%	1 782	44.6%	1 434

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
Branch 3 : Servicing (E & M) Branch 門類 III : 服務					
303000 Aircraft assembly and manufacture of related machinery 飛行器裝嵌及相關機械的製造	4 457	1.3%	57	98.7%	4 400
331400 Repair of electrical equipment 電力設備維修	326	26.4%	86	73.6%	240
351000 Electric power generation, transmission and distribution 發電、輸電及配電	2 994	35.0%	1 049	65.0%	1 945
432106 Telecommunications equipment, installation and maintenance 電訊設備安裝及保養	3 689	72.9%	2 691	27.1%	998
432199 Combined and other installation and maintenance of electrical and mechanical equipment 綜合及其他電器及機械設備安裝 及保養	3 200	54.5%	1 745	45.5%	1 455
432901 Lift and escalator installation and maintenance 升降機及電動扶梯安裝及保養	3 886	7.3%	282	92.7%	3 604
491000 Railway and cable transport 鐵路及纜索運輸	4 090	47.0%	1 921	53.0%	2 169
711400 Building services engineering 屋宇設備工程服務	1 034	89.2%	922	10.8%	112
953200 Repair of household appliances, home and garden equipment 家用器具及庭園設備修理	2 718	16.0%	436	84.0%	2 282
Sub-total 小計	26 394	34.8%	9 189	65.2%	17 205

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
Branch 4 : Supplementary Samples 門類 IV : 補充抽樣					
400000 Other Relevant Organizations in E&M Engineering Sector 其他與機電工程行業相關之機構	11 422	17.1%	1 955	82.9%	9 467
Sub-total 小計	11 422	17.1%	1 955	82.9%	9 467
GRAND TOTAL 總計	60 060	43.1%	25 907	56.9%	34 153

TABLE 2 : PROFESSIONAL/TECHNOLOGIST LEVEL

圖表二：專業人士／技師級

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Branch 1: Contracting (E&M) 門類 I: 承造					
432101 Electrical wiring and fitting 電線鋪設及電器裝設	417	83.7%	349	16.3%	68
432103 Fire alarm and fire fighting equipment, installation and maintenance 火警及滅火設備安裝及保養	394	81.7%	322	18.3%	72
432201 Air-conditioning and ventilation system, installation and maintenance 空氣調節及通風系統安裝及保養	811	76.4%	620	23.6%	191
Sub-total 小計	1 622	79.6%	1 291	20.4%	331
Branch 2 : Electrical Fitting with Water Plumbing Branch 門類 II: 水電工程					
432102 Engineering companies of the electrical fitting with water plumbing 電器裝設兼水管鋪設	73	74.0%	54	26.0%	19
Sub-total 小計	73	74.0%	54	26.0%	19
Branch 3 : Servicing (E & M) Branch 門類 III: 服務					
303000 Aircraft assembly and manufacture of related machinery 飛行器裝嵌及相關機械的製造	455	4.2%	19	95.8%	436
331400 Repair of electrical equipment 電力設備維修	7	0.0%	0	100.0%	7

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
351000 Electric power generation, transmission and distribution 發 電、輸電及配電	1 159	40.6%	470	59.4%	689
432106 Telecommunications equipment, installation and maintenance 電訊設備安裝及保養	169	78.7%	133	21.3%	36
432199 Combined and other installation and maintenance of electrical and mechanical equipment 綜合及其他電器及機械設備安裝 及保養	676	64.5%	436	35.5%	240
432901 Lift and escalator installation and maintenance 升降機及電動扶梯安裝及保養	277	10.8%	30	89.2%	247
491000 Railway and cable transport 鐵路及纜索運輸	510	48.6%	248	51.4%	262
711400 Building services engineering 屋宇設備工程服務	825	88.0%	726	12.0%	99
953200 Repair of household appliances, home and garden equipment 家用器具及庭園設備修理	2	0.0%	0	100.0%	2
Sub-total 小計	4 080	50.5%	2 062	49.5%	2 018
Branch 4 : Supplementary Samples 門類 IV : 補充抽樣					
400000 Other Relevant Organizations in E&M Engineering Sector 其他與機電工程行業相關之機構	1 945	39.7%	773	60.3%	1 172
Sub-total 小計	1 945	39.7%	773	60.3%	1 172
GRAND TOTAL 總計	7 720	54.1%	4 180	45.9%	3 540

TABLE 3 : TECHNICIAN LEVEL

圖表三：技術員級

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
TECHNICIAN LEVEL 技術員級					
Branch 1: Contracting (E&M) 門類 I: 承造					
432101 Electrical wiring and fitting 電線鋪設及電器裝設	610	74.4%	454	25.6%	156
432103 Fire alarm and fire fighting equipment, installation and maintenance 火警及滅火設備安裝及保養	652	80.5%	525	19.5%	127
432201 Air-conditioning and ventilation system, installation and maintenance 空氣調節及通風系統安裝及保養	1 403	72.6%	1 019	27.4%	384
Sub-total 小計	2 665	75.0%	1 998	25.0%	667
Branch 2 : Electrical Fitting with Water Plumbing Branch 門類 II: 水電工程					
432102 Engineering companies of the electrical fitting with water plumbing 電器裝設兼水管鋪設	110	56.4%	62	43.6%	48
Sub-total 小計	110	56.4%	62	43.6%	48
Branch 3 : Servicing (E & M) Branch 門類 III: 服務					
303000 Aircraft assembly and manufacture of related machinery 飛行器裝嵌及相關機械的製造	1 421	1.1%	15	98.9%	1 406
331400 Repair of electrical equipment 電力設備維修	109	15.6%	17	84.4%	92

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
351000 Electric power generation, transmission and distribution 發電、輸電及配電	543	14.7%	80	85.3%	463
432106 Telecommunications equipment, installation and maintenance 電訊設備安裝及保養	890	72.5%	645	27.5%	245
432199 Combined and other installation and maintenance of electrical and mechanical equipment 綜合及其他電器及機械設備安裝 及保養	670	50.4%	338	49.6%	332
432901 Lift and escalator installation and maintenance 升降機及電動扶梯安裝及保養	835	6.3%	53	93.7%	782
491000 Railway and cable transport 鐵路及纜索運輸	1 980	49.6%	982	50.4%	998
711400 Building services engineering 屋宇設備工程服務	204	94.1%	192	5.9%	12
953200 Repair of household appliances, home and garden equipment 家用器具及庭園設備修理	223	0.0%	0	100.0%	223
Sub-total 小計	6 875	33.8%	2 322	66.2%	4 553
Branch 4 : Supplementary Samples 門類 IV : 補充抽樣					
400000 Other Relevant Organizations in E&M Engineering Sector 其他與機電工程行業相關之機構	3 862	19.7%	759	80.3%	3 103
Sub-total 小計	3 862	19.7%	759	80.3%	3 103
GRAND TOTAL 總計	13 512	38.0%	5 141	62.0%	8 371

TABLE 4 : TRADESMAN/CRAFTSMAN LEVEL

圖表四: 技工級

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
TRADESMAN/CRAFTSMAN LEVEL 技工級					
Branch 1: Contracting (E&M) 門類 I: 承造					
432101 Electrical wiring and fitting 電線鋪設及電器裝設	5 225	63.0%	3 292	37.0%	1 933
432103 Fire alarm and fire fighting equipment, installation and maintenance 火警及滅火設備安裝及保養	2 259	70.0%	1 582	30.0%	677
432201 Air-conditioning and ventilation system, installation and maintenance 空氣調節及通風系統安裝及保養	6 218	68.6%	4 266	31.4%	1 952
Sub-total 小計	13 702	66.7%	9 140	33.3%	4 562
Branch 2 : Electrical Fitting with Water Plumbing Branch 門類 II: 水電工程					
432102 Engineering companies of the electrical fitting with water plumbing 電器裝設兼水管鋪設	2 830	55.1%	1 559	44.9%	1 271
Sub-total 小計	2 830	55.1%	1 559	44.9%	1 271
Branch 3 : Servicing (E & M) Branch 門類 III: 服務					
303000 Aircraft assembly and manufacture of related machinery 飛行器裝嵌及相關機械的製造	2 191	1.0%	21	99.0%	2 170
331400 Repair of electrical equipment 電力設備維修	210	32.9%	69	67.1%	141

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
351000 Electric power generation, transmission and distribution 發電、輸電及配電	1 277	39.1%	499	60.9%	778
432106 Telecommunications equipment, installation and maintenance 電訊設備安裝及保養	2 255	71.3%	1 608	28.7%	647
432199 Combined and other installation and maintenance of electrical and mechanical equipment 綜合及其他電器及機械設備安裝 及保養	1 708	52.8%	901	47.2%	807
432901 Lift and escalator installation and maintenance 升降機及電動扶梯安裝及保養	2 769	7.2%	199	92.8%	2 570
491000 Railway and cable transport 鐵路及纜索運輸	1 534	43.5%	668	56.5%	866
711400 Building services engineering 屋宇設備工程服務	5	80.0%	4	20.0%	1
953200 Repair of household appliances, home and garden equipment 家用器具及庭園設備修理	2 306	18.3%	423	81.7%	1 883
Sub-total 小計	14 255	30.8%	4 392	69.2%	9 863
Branch 4 : Supplementary Samples 門類 IV : 補充抽樣					
400000 Other Relevant Organizations in E&M Engineering Sector 其他與機電工程行業相關之機構	5 029	6.8%	340	93.2%	4 689
Sub-total 小計	5 029	6.8%	340	93.2%	4 689
GRAND TOTAL 總計	35 816	43.1%	15 431	56.9%	20 385

TABLE 5 : SEMI-SKILLED WORKER/GENERAL WORKER

圖表五：半技術工人／普通工人

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
SEMI-SKILLED WORKER/GENERAL WORKER 半技術工人／普通工人					
Branch 1: Contracting (E&M) 門類 I: 承造					
432101 Electrical wiring and fitting 電線鋪設及電器裝設	582	41.4%	241	58.6%	341
432103 Fire alarm and fire fighting equipment, installation and maintenance 火警及滅火設備安裝及保養	21	95.2%	20	4.8%	1
432201 Air-conditioning and ventilation system, installation and maintenance 空氣調節及通風系統安裝及保養	436	66.7%	291	33.3%	145
Sub-total 小計	1 039	53.1%	552	46.9%	487
Branch 2 : Electrical Fitting with Water Plumbing Branch 門類 II: 水電工程					
432102 Engineering companies of the electrical fitting with water plumbing 電器裝設兼水管鋪設	203	52.7%	107	47.3%	96
Sub-total 小計	203	52.7%	107	47.3%	96
Branch 3 : Servicing (E & M) Branch 門類 III: 服務					
303000 Aircraft assembly and manufacture of related machinery 飛行器裝嵌及相關機械的製造	390	0.5%	2	99.5%	388
331400 Repair of electrical equipment 電力設備維修	0	-	-	-	-

Job Title 職稱	No. of Employees 僱員人數	Estimated Manpower for Contracting 估計從事「承造」工 作類別的人力		Estimated Manpower for Servicing 估計從事「維修服務」 工作類別的人力	
		Percentage (百份比)	Head Count (人數)	Percentage (百份比)	Head Count (人數)
351000 Electric power generation, transmission and distribution 發電、輸電及配電	15	0.0%	0	100.0%	15
432106 Telecommunications equipment, installation and maintenance 電訊設備安裝及保養	375	81.3%	305	18.7%	71
432199 Combined and other installation and maintenance of electrical and mechanical equipment 綜合及其他電器及機械設備安裝 及保養	146	47.9%	70	52.1%	76
432901 Lift and escalator installation and maintenance 升降機及電動扶梯安裝及保養	5	0.0%	0	100.0%	5
491000 Railway and cable transport 鐵路及纜索運輸	66	34.8%	23	65.2%	43
711400 Building services engineering 屋宇設備工程服務	0	-	-	-	-
953200 Repair of household appliances, home and garden equipment 家用器具及庭園設備修理	187	7.0%	13	93.0%	174
Sub-total 小計	1 184	34.9%	413	65.1%	771
Branch 4 : Supplementary Samples 門類 IV : 補充抽樣					
400000 Other Relevant Organizations in E&M Engineering Sector 其他與機電工程行業相關之機構	586	14.2%	83	85.8%	503
Sub-total 小計	586	14.2%	83	85.8%	503
GRAND TOTAL 總計	3 012	38.3%	1 155	61.7%	1 857

THE SHIPBUILDING AND SHIP REPAIR SECTOR

船舶修建工程行業

MANPOWER STATISTICS

人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Electrical Engineer 電機工程師	24	-	-	-	24
Marine Engineer 輪機工程師	87	-	3	-	90
Mechanical Engineer 機械工程師	43	-	-	-	43
Ship Designer/Naval Architect 船舶設計師／造船工程師	17	-	-	-	17
Ship Repairs Manager/ Superintendent 船舶修理主管／ 船舶修理監督	123	-	3	-	125
Safety Officer 安全主任	21	-	-	-	21
Sub-total 小計	315	-	6	-	320
TECHNICIAN LEVEL 技術員級					
Draughtsman 繪圖員	3	-	-	-	3
Electrical Engineering Technician 電機工程技術員	37	7	3	7	40
Electronics/ Telecommunication Technician 電子／通訊技術員	14	-	-	-	14

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TECHNICIAN LEVEL (Continued) 技術員級 (續)					
Estimator 估計員	15	-	1	-	16
Mechanical Engineering Technician 機械工程技術員	248	6	2	6	250
Assistant Safety Officer/ Safety Supervisor 助理安全主任/安全督導員	8	-	-	-	8
Supervisor/Foreman 監督/管工	241	1	7	1	248
Sub-total 小計	566	14	13	14	579
TRADESMAN/CRAFTSMAN LEVEL 技工級					
Air-conditioning Mechanic/ Sheet Metal Worker 空氣調節技工/ 薄片金屬構造工	25	-	-	-	25
Carpenter 木工	105	-	6	-	111
Crane Driver 起重機操作工	25	-	5	-	30
Electrician 電工	163	2	4	9	167
Mechanical Fitter 機械打磨裝配工	447	11	18	27	465
GRP-Worker 玻璃纖維工	12	-	-	-	12
Machinist 機床工	66	1	9	2	75
Marine Pipeworker 船舶喉管工	84	2	5	4	89
Painter 髹漆工	153	-	6	-	159
Rigger 索具工 (喊咗工)	102	-	1	-	103

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Ship Classification Qualified Welder 船級協會認可焊接工	20	2	10	2	30
Steel Worker (Boiler Maker/Steel Plater/ Blacksmith) 鋼鐵工 (鍋爐工、造船鋼 板工、捻縫工/鐵工)	109	1	2	4	111
Welder 焊接技工	76	-	11	-	87
Sub-total 小計	1 387	19	77	48	1 464
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人					
Labourer 雜工	144	-	6	-	150
Semi-skilled Worker 半技術工人	97	-	14	-	111
Sub-total 小計	241	-	20	-	261
GRAND TOTAL 總計	2 509	33	116	62	2 624

THE GAS SECTOR
氣體燃料行業

MANPOWER STATISTICS
人力狀況

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級					
Electrical Engineer 電機工程師	11	-	-	-	11
Gas Engineer (Fuel Gas) 氣體工程師(氣體燃料)	263	8	3	-	266
Mechanical Engineer 機械工程師	85	1	1	-	90
Safety Officer 安全主任	22	-	-	-	24
Sub-total 小計	381	9	4	-	391
TECHNICIAN LEVEL 技術員級					
Electrical Engineering Technician 電機工程技術員	5	-	-	-	5
Gas Engineering Technician 氣體燃料工程技術員	321	1	3	1	324
Mechanical Engineering Technician 機械工程技術員	44	3	-	3	44
Assistant Safety Officer/Safety 助理安全主任／安全督導員	39	-	-	-	39
Supervisor/Chargehand 監督／管工	204	-	3	-	206
Sub-total 小計	613	4	6	4	618

Job Title 職稱	No. of Employees 僱員人數	No. of Trainees 受訓者 人數	No. of Vacancies at Date of Survey 調查期間 空缺數目	Forecasted No. of Trainees by March 2012 估計 2012 年 3 月時的 受訓者人數	Forecasted No. of Employees by March 2012 估計 2012 年 3 月時的 僱員人數
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)					
Electrician/Electrical Fitter 電工／電氣打磨裝配工	24	3	3	4	27
Gas Distribution Fitter (LPG) 氣體燃料輸送技工 (石油氣)	44	4	-	3	45
Gas Distribution Fitter (Town Gas) 氣體燃料輸送技工 (煤氣)	195	22	3	22	198
Gas Utilization Fitter (Domestic) 氣體燃料用戶裝置技工 (住宅式)	524	44	-	37	527
Gas Utilization Fitter (Non-domestic) 氣體燃料用戶裝置技工 (非住宅式)	117	15	7	16	124
Mechanical Fitter 機械打磨裝配工	47	-	-	-	47
Welder 焊接工	2	-	-	-	2
Sub-total 小計	953	88	13	82	970
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人					
Driver (LPG Cylinder) 司機 (石油氣瓶車)	31	-	-	-	31
Labourer 雜工	11	-	-	-	11
Semi-skilled Worker 半技術工	23	-	-	-	23
Vehicle Attendant/ Deliveryman (LPG Cylinder) 跟車／送貨員 (石油氣瓶)	44	-	-	-	44
Sub-total 小計	109	-	-	-	109
GRAND TOTAL 總計	2 056	101	23	86	2 088

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR
機電工程行業

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE
按每月收入幅度劃分的僱員人數分布情況

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級								
Building Services Engineer 屋宇設備工程師	-	-	-	42	266	231	208	105
Electrical Engineer 電機工程師	-	-	14	32	238	977	888	183
Refrigeration/ Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／ 通風設備工程師	-	-	-	157	358	228	17	31
Mechanical Engineer 機械工程師	-	-	-	2	68	412	561	65
Plumbing and Drainage Engineer 水喉及渠務工程師	-	-	-	40	39	24	7	1
Lift/Escalator Engineer 升降機／自動梯工程師	-	-	-	6	99	63	1	39
Fire Services Engineer 消防設備工程師	-	-	-	72	96	109	31	63
Electronics Engineer 電子工程師	-	-	-	59	95	217	179	9
Control and Instrumentation Engineer 控制及儀器工程師	-	-	-	-	26	19	105	-
Engineering Manager 工程經理	-	-	10	83	92	115	740	61
Safety Officer 安全主任	-	-	13	4	19	74	22	5
Sub-total 小計	-	-	37	497	1 396	2 469	2 759	562
TECHNICIAN LEVEL 技術員級								
Supervisor 監督	-	91	343	629	1916	102	13	171
Building Services Technician 屋宇設備技術員	-	63	697	17	555	235	102	82
Draughtsman 繪圖員	27	126	280	126	80	30	-	28

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TECHNICIAN LEVEL (Continued) 技術員級 (續)								
Electrical Engineering Technician 電機工程技術員	-	53	131	801	138	568	1	122
Refrigeration/ Air-conditioning/ Ventilation Technician 冷凝／空氣調節／ 通風設備技術員	-	298	233	452	132	90	-	21
Mechanical Engineering Technician 機械工程技術員	-	5	232	336	590	372	-	99
Lift/Escalator Technician 升降機／自動梯技術員	-	-	293	192	43	27	11	56
Fire Services Technician 消防設備技術員	-	75	106	130	33	62	5	56
Electrical Instrument and Meter Technician 電工儀器技術員	-	-	5	48	-	-	25	-
Electronics Technician 電子技術員	-	54	25	372	112	411	16	60
Telecommunication Technician 電訊技術員	150	227	83	255	10	18	-	10
Office Equipment Service Technician 辦公室設備維修技術員	-	-	87	-	-	-	-	-
Assistant Safety Officer/ Safety Supervisor 助理安全主任／ 安全監督	1	26	20	9	11	1	-	-
Sub-total 小計	178	1 018	2 535	3 367	3 620	1 916	173	705
TRADESMAN/CRAFTSMAN LEVEL 技工級								
Foreman/Chargehand 管工／領工	170	518	627	2 349	508	77	-	396
Building Services Mechanic 屋宇設備技工	24	945	437	37	5	-	-	106
Electrician/Electrical Fitter 電工／電氣打磨裝配工	790	2 081	3 568	1 583	996	45	-	452
Control Panel Assembler 控制板裝配工	-	5	15	8	-	-	-	-
Electrical Wireman 電氣佈線工	20	412	355	60	-	-	-	55
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Electrical Control) 空調製冷設備技工 (電力控制)	89	1 877	861	322	20	20	-	342

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)								
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Unitary Control) 空調製冷設備技工 (獨立系統)	196	656	551	221	20	20	-	221
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Air System)/Sheet Metal Worker 空調製冷設備技工 (送風系統)/薄片金屬構 造工	45	56	426	151	20	-	-	84
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Thermal Insulation)/Thermal 空調製冷設備技工(保 溫)/保溫技工	55	38	38	-	80	-	-	-
Refrigeration/ Air-conditioning/ Ventilation Mechanic (Water System) 空調製冷設備技工 (水系統)	45	22	33	3	-	-	-	-
Plumber and Pipe Fitter 喉管工	7	51	264	36	1	-	-	25
Mechanical Fitter/ Machinist 機械打磨裝配工/ 機床工	24	568	2 466	196	8	-	-	41
Lift Mechanic 升降機技工	366	200	835	612	68	-	-	426
Escalator Mechanic 自動梯技工	-	-	-	50	69	-	-	5
Fire Services Electrical Fitter 消防電氣裝配工	3	352	316	59	-	-	-	113
Fire Services Mechanical Fitter 消防機械裝配工	-	459	146	331	20	-	-	185
Cable Joiner (Power) 強電流電纜接駁技工	-	-	5	308	-	-	-	11
Overhead Linesman 架空電線技工	-	11	147	246	-	-	-	-
Electrical Appliances Service Mechanic 電器用具服務技工	283	108	168	80	20	-	-	144
Welder 焊接工	-	144	1	26	-	-	-	4

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)								
Carpenter 木工	-	55	75	1	4	-	-	4
Painter 髹漆工	-	90	4	21	-	-	-	12
AV and RF Mechanic 影音及射頻技工	-	50	151	5	20	-	-	10
Building Security System Mechanic 屋宇防盜系統技工	-	11	10	-	-	-	-	-
Communication System Mechanic 電訊系統裝配工	166	749	547	288	-	-	-	379
Sub-total 小計	2 283	9 458	12 046	6 993	1 859	162	-	3015
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人								
Labourer 雜工	224	644	13	-	-	-	-	64
Semi-skilled Worker 半技術工人	889	1 065	41	12	-	-	-	60
Sub-total 小計	1 113	1 709	54	12	-	-	-	124
GRAND TOTAL 總計	3 574	12 185	14 672	10 869	6 875	4 547	2 932	4 406

THE SHIPBUILDING AND SHIP REPAIR SECTOR
船舶修建工程行業

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE
按每月收入幅度劃分的僱員人數分布情況

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級								
Electrical Engineer 電機工程師	-	-	-	-	9	4	-	11
Marine Engineer 輪機工程師	-	-	-	-	37	14	35	1
Mechanical Engineer 機械工程師	-	-	-	-	-	7	4	32
Ship Designer/ Naval Architect 船舶設計師／ 造船工程師	-	-	-	-	2	7	4	4
Ship Repairs Manager/ Superintendent 船舶修理主管／ 船舶修理監督	-	-	-	-	2	24	32	65
Safety Officer 安全主任	-	-	-	1	8	2	9	1
Sub-total 小計	-	-	-	1	58	58	84	114
TECHNICIAN LEVEL 技術員級								
Draughtsman 繪圖員	-	-	-	-	1	-	-	2
Electrical Engineering Technician 電機工程技術員	-	1	-	2	5	-	6	23
Electronics/ Telecommunication Technician 電子／通訊技術員	-	-	-	8	6	-	-	-
Estimator 估計員	-	-	-	6	9	-	-	-
Mechanical Engineering Technician 機械工程技術員	-	2	16	4	43	-	32	151
Assistant Safety Officer/ Safety Supervisor 助理安全主任／ 安全監督	-	-	4	-	-	4	-	-
Supervisor/Foreman 監督／管工	5	-	42	38	126	-	-	30
Sub-total 小計	5	3	62	58	190	4	38	206

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TRADESMAN/CRAFTSMAN LEVEL 技工級								
Air-conditioning Mechanic/Sheet Metal Worker 空氣調節技工/ 薄片金屬構造工	-	2	11	2	-	-	-	10
Carpenter 木工	-	11	48	40	3	-	-	3
Crane Driver 起重機操作工	-	1	21	3	-	-	-	-
Electrician 電工	20	9	64	45	-	-	-	25
Mechanical Fitter 機械打磨裝配工	15	54	241	51	43	-	-	43
GRP-Worker 玻璃纖維工	-	4	8	-	-	-	-	-
Machinist 機床工	-	23	33	-	10	-	-	-
Marine Pipeworker 船舶喉管工	5	12	42	10	15	-	-	-
Painter 髹漆工	-	14	21	31	84	-	-	3
Rigger 索具工(喊地工)	-	4	62	36	-	-	-	-
Ship Classification Qualified Welder 船級協會認可焊接工	-	6	3	2	3	6	-	-
Steel Worker (Boiler Maker/Steel Plater/ Blacksmith) 鋼鐵工(鍋爐工、造船 鋼板工、捻縫工/鐵工)	15	37	33	1	23	-	-	-
Welder 焊接工	1	31	33	3	8	-	-	-
Sub-total 小計	56	208	620	224	189	6	-	84
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人								
Labourer 雜工	22	81	23	16	-	-	-	2
Semi-skilled Worker 半技術工人	10	87	-	-	-	-	-	-
Sub-total 小計	32	168	23	16	-	-	-	2
GRAND TOTAL 總計	93	379	705	299	437	68	122	406

THE GAS SECTOR
氣體燃料行業

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE
按每月收入幅度劃分的僱員人數分布情況

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級								
Electrical Engineer 電機工程師	-	-	-	-	-	8	3	-
Gas Engineer (Fuel Gas) 氣體工程師(氣體燃料)	-	-	2	-	27	233	1	-
Mechanical Engineer 機械工程師	-	3	-	-	-	82	-	-
Safety Officer 安全主任	-	-	-	-	6	16	-	-
Sub-total 小計	-	3	2	-	33	339	4	-
TECHNICIAN LEVEL 技術員級								
Electrical Engineering Technician 電機工程技術員	-	-	4	-	-	1	-	-
Gas Engineering Technician 氣體燃料工程技術員	-	-	267	36	9	7	-	2
Mechanical Engineering Technician 機械工程技術員	-	12	21	11	-	-	-	-
Assistant Safety Officer Safety Supervisor 助理安全主任／ 安全監督	-	-	33	3	3	-	-	-
Supervisor/Chargehand 監督／管工	-	32	22	7	124	4	-	15
Sub-total 小計	-	44	347	57	136	12	-	17
TRADESMAN/CRAFTSMAN LEVEL 技工級								
Electrician/ Electrical Fitter 電工／電氣打磨裝配工	-	-	24	-	-	-	-	-
Gas Distribution Fitter (LPG) 氣體燃料輸送技工 (石油氣)	-	15	26	-	-	-	-	3
Gas Distribution Fitter (Town Gas) 氣體燃料輸送技工 (煤氣)	-	27	151	3	4	-	-	10

Job Title 職稱	Under \$9,001 以下	\$9,001- \$12,000	\$12,001- \$15,000	\$15,001- \$18,000	\$18,001- \$25,000	\$25,001- \$35,000	Over \$35,000 以上	Unspecified 未有說明
TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)								
Gas Utilization Fitter (Domestic) 氣體燃料用戶裝置技工 (住宅式)	17	190	140	14	132	-	-	31
Gas Utilization Fitter (Non-domestic) 氣體燃料用戶裝置技工 (非住宅式)	-	24	50	5	29	-	-	9
Mechanical Fitter 機械打磨裝配工	-	3	6	1	37	-	-	-
Welder 焊接工	-	-	2	-	-	-	-	-
Sub-total 小計	17	259	399	23	202	-	-	53
SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人								
Driver (LPG Cylinder) 司機 (石油氣瓶車)	-	27	1	-	-	-	-	3
Labourer 雜工	2	9	-	-	-	-	-	-
Semi-skilled Worker 半技術工人	6	12	5	-	-	-	-	-
Vehicle Attendant/ Deliveryman (LPG Cylinder) 跟車／送貨員 (石油氣瓶)	12	27	-	-	-	-	-	5
Sub-total 小計	20	75	6	-	-	-	-	8
GRAND TOTAL 總計	37	381	754	80	371	351	4	78

MANPOWER SUPPLY FOR THE INDUSTRY IN THE PAST 12 MONTHS

過去 12 個月內，行業的人力供應情況

Job level	Very Insufficient 非常缺乏	Insufficient 缺乏	Sufficient 充裕	Very Sufficient 非常充裕	No Comment or Refusal to Answer 無意見/ 拒絕作答
A. Electrical and Mechanical Engineering Sector 機電工程業					
Professional / Technologist 專業人士 / 技師	6%	24%	28%	2%	40%
Trainees of Professional / Technologist 專業人士 / 技師的受訓者	6%	21%	23%	3%	47%
Technician 技術員	5%	29%	29%	3%	34%
Trainees of Technician 技術員的受訓者	6%	23%	22%	3%	46%
Tradesman / Craftsman 技工	6%	32%	34%	3%	25%
Trainees of Tradesman / Craftsman 技工的受訓者	7%	25%	25%	3%	40%
Semi-skilled Worker / General Worker 半技術 / 普通工人	4%	22%	30%	5%	40%
B. Shipbuilding and Ship Repair Sector 船舶修建工程行業					
Professional / Technologist 專業人士 / 技師	6%	31%	12%	0%	52%
Trainees of Professional / Technologist 專業人士 / 技師的受訓者	14%	20%	8%	0%	57%
Technician 技術員	4%	36%	10%	0%	50%
Trainees of Technician 技術員的受訓者	16%	22%	7%	0%	55%
Tradesman / Craftsman 技工	6%	54%	26%	0%	14%

Job level	Very Insufficient 非常缺乏	Insufficient 缺乏	Sufficient 充裕	Very Sufficient 非常充裕	No Comment or Refusal to Answer 無意見/ 拒絕作答
Trainees of Tradesman / Craftsman 技工的受訓者	29%	42%	9%	0%	20%
Semi-skilled Worker / General Worker 半技術／普通工人	4%	33%	33%	0%	30%
C. Gas Sector 氣體燃料行業					
Professional / Technologist 專業人士 / 技師	1%	25%	34%	1%	40%
Trainees of Professional / Technologist 專業人士 / 技師的受訓者	0%	17%	41%	1%	42%
Technician 技術員	1%	30%	38%	0%	30%
Trainees of Technician 技術員的受訓者	1%	20%	44%	1%	35%
Tradesman / Craftsman 技工	5%	30%	39%	0%	26%
Trainees of Tradesman / Craftsman 技工的受訓者	6%	21%	41%	1%	32%
Semi-skilled Worker / General Worker 半技術／普通工人	1%	24%	33%	3%	39%