

2007 MANPOWER STATISTICAL REPORT

ON THE

ELECTRICAL AND MECHANICAL SERVICES INDUSTRY

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## **2007 Manpower Statistical Report of the Electrical and Mechanical Services Industry**

### **Introduction**

The Electrical and Mechanical Services Training Board conducted its 2007 manpower survey on the electrical and mechanical services industry in March/April 2007 to collect up-to-date manpower information with a view to assessing the manpower structure and training needs of the industry.

### **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 include:

- (a) electrical wiring and fitting (HSIC : 5511);
- (b) lift/escalator installation and maintenance (HSIC : 5513);
- (c) air-conditioning/ventilation system installation and maintenance (HSIC : 5514);
- (d) fire-alarm and fire-fighting equipment installation and maintenance (HSIC : 5515);
- (e) electrical/mechanical equipment installation and maintenance (HSIC : 5517); and
- (f) electrical and mechanical fitting works (HSIC : 5518).

## Branch 2 : Servicing (E & M) Branch

Establishments providing electrical and mechanical services include:

- (a) aircraft engineering servicing (HSIC : 3886);
- (b) electric light and power (HSIC : 4111);
- (c) electrical fitting with water plumbing (HSIC : 5512)
- (d) railways and tramways (HSIC : 7112);
- (e) consulting of building services engineering (HSIC : 833404);
- (f) electrical repair shops (HSIC : 9512);
- (g) major trading companies of electrical products, equipment and systems having associated servicing workshops;
- (h) major real estate management companies which have building services maintenance workers; and
- (i) relevant divisions of government departments and educational institutions.

## Sector B : Shipbuilding and Ship Repair

Establishments include:

- (a) shipyards and boatyards (HSIC : 3881 and 3882); and
- (b) shipping firms and fleet operators employing local shore-based technical staff, consulting firms, classification societies of ships, government agencies and educational institutions.

## Sector C : Gas

Establishments include:

- (a) gas manufacturing and distribution companies (HSIC : 4112);
- (b) gas installation and maintenance companies (HSIC : 5613);
- (c) major trading companies of gas equipment having associated servicing workshops;
- (d) relevant divisions of government departments and educational institutions.

3. In view of limited resources, a stratified random sampling method was adopted to select 951 samples out of a total of 8 880 establishments recorded by the Census and Statistics Department in the Hong Kong Standard Classifications (HSIC) listed in paragraph 2. Together with 103 selected organizations, a total of 1 054 establishments were visited and they employed about 71% of the total workforce of the industry.

### **Number of Workers Employed**

4. The survey revealed that in March/April 2007, a total of 59 813 workers were employed in principal jobs of electrical/mechanical engineering and related disciplines in the electrical and mechanical services industry in Hong Kong. Among the 59 813 workers, 55 563 workers were employed in the electrical and mechanical engineering sector, 2 488 workers in the shipbuilding and ship repair sector, and 1 762 workers in the gas sector. The survey also revealed that there were 27 848 workers of other disciplines working in the electrical and mechanical services industry in March/April 2007. Of the 27 848 workers, 23 842 workers were employed in the electrical and mechanical engineering sector, 2 073 workers in the shipbuilding and ship repair sector and 1 933 workers in the gas sector.

### **Electrical and Mechanical Engineering Sector** **(Appendices 1, 2 and 3)**

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

Branch	Professional/ Technologist	Technician	Tradesman	Semi-skilled/ General Worker	Total
Contracting	2 272	5 154	18 682	1 772	27 880
Servicing	4 243	7 009	14 747	1 684	27 683
Total	6 515	12 163	33 429	3 456	55 563
Percentage of total number of workers	11.7%	21.9%	60.2%	6.2%	100%

6. The manpower statistics of the whole electrical and mechanical engineering sector are tabulated in Appendix 1 while that of its contracting branch and servicing branch are in Appendices 2 and 3 respectively.

7. At the time of the survey, there were 2 028 trainees under various forms of training in the electrical and mechanical engineering sector, representing 3.6% of the total workforce. Employers reported a total of 1 149 vacancies, representing 2.1% 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	6 515	213	3.3%	256	3.9%
Technician	12 163	226	1.9%	188	1.5%
Tradesman	33 429	1 589	4.8%	680	2%
Semi-skilled/General Worker	3 456	0	-	25	0.7%
Total	55 563	2 028	3.6%	1 149	2.1%

### **Shipbuilding and Ship Repair Sector**

#### **(Appendix 4)**

8. The distribution of workers by job level of the shipbuilding and ship repair sector was as follows:

Job level	Professional/Technologist	Technician	Tradesman	Semi-skilled/General Worker	Total
No. of Workers	281	502	1 526	179	2 488
Percentage of total number of workers	11.3%	20.2%	61.3%	7.2%	100%

9. At the time of survey, there were 79 trainees and 18 job vacancies, representing 3.2% and 0.7% respectively of the total workforce in the shipbuilding and ship repair sector. Their distribution by job level was as follows:

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	281	6	2.1%	4	1.4%
Technician	502	11	2.2%	4	0.8%
Tradesman	1 526	62	4.1%	6	0.4%
Semi-skilled/General Worker	179	0	-	4	2.2%
Total	2 488	79	3.2%	18	0.7%

10. 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 4.

**Gas Sector**  
**(Appendix 5)**

11. The distribution of workers by job level of the gas sector was as follows:

Job level	Professional/ Technologist	Technician	Tradesman	Semi-skilled/ General Worker	Total
No. of Workers	252	575	828	107	1 762
Percentage of total number of workers	14.3%	32.6%	47%	6.1%	100%

12. In the gas sector, employers reported of a total of 60 trainees and 2 job vacancies, representing 3.4% and 0.1% 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	252	0	-	0	-
Technician	575	0	-	0	-
Tradesman	828	60	7.2%	2	0.2%
Semi-skilled/ General Worker	107	0	-	0	-
Total	1 762	60	3.4%	2	0.1%

13. The manpower statistics, the distribution of trainees and vacancies among principal jobs at the time of survey are given in Appendix 5.

**Monthly Income Range**  
**(Appendices 6 to 8)**

14. 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 6 to 8.

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級</b>				
Building Services Engineer 屋宇設備工程師	876	62	45	929
Electrical Engineer 電機工程師	1 875	90	96	1 975
Electronics Engineer/Control and Instrumentation Engineer 電子工程師／控制及 儀器工程師	719	4	10	729
Lift/Escalator Engineer 升降機／自動梯工程師	225	-	5	224
Mechanical Engineer 機械工程師	1 120	31	35	1 127
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／ 通風設備工程師	735	17	43	786
Fire Services Engineer 消防設備工程師	329	9	16	352
Engineering Manager 工程經理	636	-	6	642
Sub-total 小計	6 515	213	256	6 764



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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TECHNICIAN LEVEL 技術員級</b>				
Building Services Technician 屋宇設備技術員	1 680	34	16	1 723
Draughtsman 繪圖員	509	4	29	541
Electrical Engineering Technician 電機工程技術員	1 931	53	19	1 950
Electrical Instrument and Meter Technician 電工儀器技術員	79	-	-	79
Electronics Technician 電子技術員	1 068	35	25	1 095
Lift/Escalator Technician 升降機／自動梯技術員	622	2	3	622
Telecommunication Technician 電訊技術員	696	-	16	761
Mechanical Engineering Technician 機械工程技術員	1 404	40	15	1 443
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	1 022	43	43	1 071
Fire Services Technician 消防設備技術員	363	12	6	369
Office Equipment Service Technician 辦公室設備維修技術員	65	3	-	65
Safety Officer 安全主任	3	-	-	3
Supervisor 監督	2 721	-	16	2 732
Sub-total 小計	12 163	226	188	12 454

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL 技工級</b>				
Building Security System Mechanic 屋宇防盜系統技工	24	-	-	24
Building Services Mechanic 屋宇設備技工	1 062	-	24	1 085
Cable Jointer (Power) 強電流電纜接駁技工	224	9	2	226
Carpenter/Painter 木工／髹漆工	252	2	41	282
Communication System Mechanic 電訊系統裝配工	1 679	4	49	1 728
Electrician/Electrical Fitter 電工／電氣打磨裝配工	9 367	282	71	9 536
Fire Services Mechanical Fitter 消防機械裝配工	967	18	54	1 030
Fire Services Electrical Fitter 消防電氣裝配工	491	4	61	552
Lift/Escalator Mechanic 升降機／自動梯技工	2 768	95	19	2 770
Mechanical Fitter/Machinist 機械打磨裝配工／機床工	3 359	661	58	3 933
Overhead Linesman 架空電線技工	492	18	-	492
Plumber and Pipe Fitter 喉管工	700	2	2	685
Refrigeration/Air-conditioning/ Ventilation Mechanic 冷凝／空氣調節／ 通風設備技工	6 788	455	159	7 105
Sheet Metal Worker/Thermal Insulation Craftsman 薄片金屬構造工／保溫技工	430	33	-	455
Sign Installer 招牌安裝工	4	-	-	4

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL (Continued) 技工級 (續)</b>				
Welder 焊接技工	122	2	-	127
Electrical Appliances Service Mechanic 電器用具維修技工	790	2	2	784
AV and RF Mechanic 影音及射頻技工	447	2	62	509
Foreman/Chargehand 管工／領工	3 463	-	76	3 647
Sub-total 小計	33 429	1 589	680	34 974
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人</b>				
Labourer 雜工	1 000	-	8	1 013
Semi-skilled Worker 半技術工人	2 456	-	17	2 510
Sub-total 小計	3 456	-	25	3 523
<b>GRAND TOTAL</b> 總 計	<b>55 563</b>	<b>2 028</b>	<b>1 149</b>	<b>57 715</b>

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR  
機電工程行業

BRANCH I: CONTRACTING 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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級</b>				
Building Services Engineer 屋宇設備工程師	177	-	4	181
Electrical Engineer 電機工程師	329	12	10	349
Electronics Engineer/Control and Instrumentation Engineer 電子工程師／控制及儀器 工程師	259	-	-	259
Lift/Escalator Engineer 升降機／自動梯工程師	223	-	5	223
Mechanical Engineer 機械工程師	110	4	-	114
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／通風設備 工程師	626	7	38	666
Fire Services Engineer 消防設備工程師	228	2	3	233
Engineering Manager 工程經理	320	-	2	322
Sub-total 小計	2 272	25	62	2 347

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TECHNICIAN LEVEL 技術員級</b>				
Building Services Technician 屋宇設備技術員	145	31	-	150
Draughtsman 繪圖員	274	3	19	295
Electrical Engineering Technician 電機工程技術員	661	2	4	665
Electrical Instrument and Meter Technician 電工儀器技術員	42	-	-	42
Electronics Technician 電子技術員	230	2	14	246
Lift/Escalator Technician 升降機／自動梯技術員	610	2	2	609
Telecommunication Technician 電訊技術員	352	-	1	326
Mechanical Engineering Technician 機械工程技術員	153	6	-	160
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／通風設備 技術員	865	24	42	913
Fire Services Technician 消防設備技術員	356	12	6	362
Office Equipment Service Technician 辦公室設備維修技術員	3	-	-	3
Safety Officer 安全主任	3	-	-	3
Supervisor 監督	1 460	-	1	1 453
Sub-total 小計	5 154	82	89	5 227

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL 技工級</b>				
Building Security System Mechanic 屋宇防盜系統技工	23	-	-	23
Building Services Mechanic 屋宇設備技工	79	-	-	79
Cable Joints (Power) 強電流電纜接駁技工	44	-	-	44
Carpenter/Painter 木工／髹漆工	11	-	-	11
Communication System Mechanic 電訊系統裝配工	1 480	4	49	1 529
Electrician/Electrical Fitter 電工／電氣打磨裝配工	4 565	74	10	4 617
Fire Services Mechanical Fitter 消防機械裝配工	957	18	54	1 020
Fire Services Electrical Fitter 消防電氣裝配工	475	4	61	536
Lift/Escalator Mechanic 升降機／自動梯技工	2 768	95	19	2 770
Mechanical Fitter/Machinist 機械打磨裝配工／機床工	350	-	9	363
Overhead Linesman 架空電線技工	246	-	-	246
Plumber and Pipe Fitter 喉管工	236	-	-	236
Refrigeration/Air-conditioning/ Ventilation Mechanic 冷凝／空氣調節／通風設備 技工	5 368	371	132	5 612
Sheet Metal Worker/Thermal Insulation Craftsman 薄片金屬構造工／保溫技工	257	2	-	257
Sign Installer 招牌安裝工	-	-	-	-

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL (Continued) 技工級 (續)</b>				
Welder 焊接技工	94	-	-	98
Electrical Appliances Service Mechanic 電器用具維修技工	-	-	-	-
AV and RF Mechanic 影音及射頻技工	177	-	54	231
Foreman/Chargehand 管工/領工	1 552	-	7	1 560
Sub-total 小計	18 682	568	395	19 232
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人</b>				
Labourer 雜工	193	-	2	197
Semi-skilled Worker 半技術工人	1 579	-	3	1 585
Sub-total 小計	1 772	-	5	1 782
<b>GRAND TOTAL</b> 總 計	<b>27 880</b>	<b>675</b>	<b>551</b>	<b>28 588</b>

THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR  
機電工程行業

BRANCH II : SERVICING BRANCH  
門類 II : 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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級</b>				
Building Services Engineer 屋宇設備工程師	699	62	41	748
Electrical Engineer 電機工程師	1 546	78	86	1 626
Electronics Engineer/Control and Instrumentation Engineer 電子工程師／控制及 儀器工程師	460	4	10	470
Lift/Escalator Engineer 升降機／自動梯工程師	2	-	-	1
Mechanical Engineer 機械工程師	1 010	27	35	1 013
Refrigeration/Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／ 通風設備工程師	109	10	5	120
Fire Services Engineer 消防設備工程師	101	7	13	119
Engineering Manager 工程經理	316	-	4	320
Sub-total 小計	4 243	188	194	4 417



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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TECHNICIAN LEVEL 技術員級</b>				
Building Services Technician 屋宇設備技術員	1 535	3	16	1 573
Draughtsman 繪圖員	235	1	10	246
Electrical Engineering Technician 電機工程技術員	1 270	51	15	1 285
Electrical Instrument and Meter Technician 電工儀器技術員	37	-	-	37
Electronics Technician 電子技術員	838	33	11	849
Lift/Escalator Technician 升降機／自動梯技術員	12	-	1	13
Telecommunication Technician 電訊技術員	344	-	15	435
Mechanical Engineering Technician 機械工程技術員	1 251	34	15	1 283
Refrigeration/Air-conditioning/ Ventilation Technician 冷凝／空氣調節／ 通風設備技術員	157	19	1	158
Fire Services Technician 消防設備技術員	7	-	-	7
Office Equipment Service Technician 辦公室設備維修技術員	62	3	-	62
Supervisor 監督	1 261	-	15	1 279
Sub-total 小計	7 009	144	99	7 227

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL 技工級</b>				
Building Security System Mechanic 屋宇防盜系統技工	1	-	-	1
Building Services Mechanic 屋宇設備技工	983	-	24	1 006
Cable Jointer (Power) 強電流電纜接駁技工	180	9	2	182
Carpenter/Painter 木工／髹漆工	241	2	41	271
Communication System Mechanic 電訊系統裝配工	199	-	-	199
Electrician/Electrical Fitter 電工／電氣打磨裝配工	4 802	208	61	4 919
Fire Services Mechanical Fitter 消防機械裝配工	10	-	-	10
Fire Services Electrical Fitter 消防電氣裝配工	16	-	-	16
Lift/Escalator Mechanic 升降機／自動梯技工	-	-	-	-
Mechanical Fitter/Machinist 機械打磨裝配工／機床工	3 009	661	49	3 570
Overhead Linesman 架空電線技工	246	18	-	246
Plumber and Pipe Fitter 喉管工	464	2	2	449
Refrigeration/Air-conditioning/ Ventilation Mechanic 冷凝／空氣調節／ 通風設備技工	1 420	84	27	1 493
Sheet Metal Worker/Thermal Insulation Craftsman 薄片金屬構造工／保溫技工	173	31	-	198
Sign Installer 招牌安裝工	4	-	-	4

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN LEVEL (Continued) 技工級 (續)</b>				
Welder 焊接技工	28	2	-	29
Electrical Appliances Service Mechanic 電器用具維修技工	790	2	2	784
AV and RF Mechanic 影音及射頻技工	270	2	8	278
Foreman/Chargehand 管工/領工	1 911	-	69	2 087
Sub-total 小計	14 747	1 021	285	15 742
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人</b>				
Labourer 雜工	807	-	6	816
Semi-skilled Worker 半技術工人	877	-	14	925
Sub-total 小計	1 684	-	20	1 741
<b>GRAND TOTAL</b> 總 計	<b>27 683</b>	<b>1 353</b>	<b>598</b>	<b>29 127</b>

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級</b>				
Electrical Engineer 電機工程師	26	2	-	26
Marine Engineer 輪機工程師	76	1	3	79
Mechanical Engineer 機械工程師	33	2	-	33
Ship Designer/Naval Architect 船舶設計師／造船工程師	32	-	-	32
Ship Repairs Manager/ Superintendent 船舶修理主管／ 船舶修理監督	114	1	1	116
Sub-total 小計	281	6	4	286
<b>TECHNICIAN LEVEL 技術員級</b>				
Draughtsman 繪圖員	9	-	-	9
Electrical Engineering Technician 電機工程技術員	57	3	-	57
Electronics/ Telecommunication Technician 電子／通訊技術員	42	3	-	44
Estimator 估計員	19	-	-	19

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TECHNICIAN LEVEL (Continued) 技術員級 (續)</b>				
Mechanical Engineering Technician 機械工程技術員	125	4	1	125
Safety Officer 安全主任	28	1	3	31
Supervisor/Foreman 監督/管工	222	-	-	221
Sub-total 小計	502	11	4	506
<b>TRADESMAN/craftsman LEVEL 技工級</b>				
Air-conditioning Mechanic/ Sheet Metal Worker 空氣調節技工/ 薄片金屬構造工	34	-	-	34
Carpenter 木工	152	-	2	154
Crane Driver 起重機操作工	40	-	-	40
Electrician 電工	170	8	1	175
Mechanical Fitter 機械打磨裝配工	539	29	1	533
GRP-Worker 玻璃纖維工	25	-	-	25
Machinist 機床工	57	6	-	57
Marine Pipeworker 船舶喉管工	63	3	-	63
Painter 髹漆工	103	-	-	103
Rigger 索具工 (喊咗工)	102	-	-	98
Ship Classification Qualified Welder 船級協會認可焊接工	46	4	-	50

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)</b>				
Steel Worker (Boiler Maker/Steel Plater/ Blacksmith) 鋼鐵工 (鍋爐工、造船鋼 板工、捻縫工/鐵工)	90	7	2	92
Welder 焊接技工	105	5	-	109
Sub-total 小計	1 526	62	6	1 533
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人</b>				
Labourer 雜工	115	-	-	115
Semi-skilled Worker 半技術工人	64	-	4	68
Sub-total 小計	179	-	4	183
<b>GRAND TOTAL</b> 總計	2 488	79	18	2 508

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士／技師級</b>				
Electrical Engineer 電機工程師	31	-	-	31
Gas Engineer (Fuel Gas) 氣體燃料工程師	162	-	-	163
Mechanical Engineer 機械工程師	59	-	-	59
Sub-total 小計	252	-	-	253
<b>TECHNICIAN LEVEL 技術員級</b>				
Electrical Engineering Technician 電機工程技術員	8	-	-	8
Gas Engineering Technician 氣體燃料工程技術員	333	-	-	333
Mechanical Engineering Technician 機械工程技術員	66	-	-	68
Supervisor/Chargehand 監督／管工	168	-	-	168
Sub-total 小計	575	-	-	577
<b>TRADESMAN/CRAFTSMAN LEVEL 技工級</b>				
Electrician/Electrical Fitter 電工／電氣打磨裝配工	37	-	-	37
Gas Distribution Fitter (LPG) 氣體燃料輸送技工（石油氣）	1	-	-	1

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 Employees by March 2008 估計二零零八年 三月時的 僱員人數
<b>TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)</b>				
Gas Distribution Fitter (Town Gas) 氣體燃料輸送技工 (煤氣)	221	13	-	221
Gas Utilization Fitter (Domestic) 氣體燃料用戶裝置技工 (住宅式)	374	42	1	378
Gas Utilization Fitter (Non-domestic) 氣體燃料用戶裝置技工 (非住宅式)	172	5	1	173
Mechanical Fitter 機械打磨裝配工	16	-	-	16
Welder 焊接技工	7	-	-	7
Sub-total 小計	828	60	2	833
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人</b>				
Driver (LPG Cylinder) 司機 (石油氣瓶車)	22	-	-	22
Labourer 雜工	14	-	-	14
Semi-skilled Worker 半技術工	41	-	-	41
Vehicle Attendant/ Deliveryman (LPG Cylinder) 跟車/送貨員 (石油氣瓶)	30	-	-	30
Sub-total 小計	107	-	-	107
<b>GRAND TOTAL 總計</b>	<b>1 762</b>	<b>60</b>	<b>2</b>	<b>1 770</b>



THE ELECTRICAL AND MECHANICAL ENGINEERING SECTOR  
機電工程行業

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE

根據每月收入幅度僱員人數分佈情況

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>PROFESSIONAL/TECHNOLOGIST LEVEL</b> 專業人士／技師級									
Building Services Engineer 屋宇設備工程師	-	-	-	12	9	254	405	139	57
Electrical Engineer 電機工程師	-	-	-	-	66	303	959	185	362
Electronics Engineer/ Control and Instrumentation Engineer 電子工程師／控制及 儀器工程師	-	-	-	-	158	70	348	86	57
Lift/Escalator Engineer 升降機／自動梯工程師	-	-	-	-	62	56	100	5	2
Mechanical Engineer 機械工程師	-	-	-	-	32	110	464	336	178
Refrigeration/ Air-conditioning/ Ventilation Engineer 冷凝／空氣調節／ 通風設備工程師	-	-	-	6	87	452	119	34	37
Fire Services Engineer 消防設備工程師	-	-	-	1	63	167	37	8	53
Engineering Manager 工程經理	-	-	-	-	26	76	118	316	100
Sub-total 小計	-	-	-	19	503	1 488	2 550	1 109	846
<b>TECHNICIAN LEVEL</b> 技術員級									
Building Services Technician 屋宇設備技術員	-	-	404	263	103	653	126	90	41
Draughtsman 繪圖員	-	23	136	126	61	47	75	-	41
Electrical Engineering Technician 電機工程技術員	-	-	26	288	422	893	106	-	196
Electrical Instrument and Meter Technician 電工儀器技術員	-	-	24	1	3	18	-	18	15
Electronics Technician 電子技術員	-	-	72	85	34	803	35	-	39
Lift/Escalator Technician 升降機／自動梯技術員	-	-	226	63	200	108	10	-	15

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>TECHNICIAN LEVEL (Continued) 技術員級 (續)</b>									
Telecommunication Technician 電訊技術員	-	13	8	83	533	46	3	-	10
Mechanical Engineering Technician 機械工程技術員	-	-	32	128	336	757	106	-	45
Refrigeration/ Air-conditioning/ Ventilation Technician 冷凝／空氣調節／ 通風設備技術員	-	-	189	329	196	243	23	-	42
Fire Services Technician 消防設備技術員	-	-	45	135	105	56	-	-	22
Office Equipment Service Technician 辦公室設備維修技術員	-	-	-	64	-	1	-	-	-
Safety Officer 安全主任	-	-	-	-	-	-	3	-	-
Supervisor 監督	-	-	10	154	805	1 347	336	9	60
Sub-total 小計	-	36	1 172	1 719	2 798	4 972	823	117	526
<b>TRADESMAN/CRAFTSMAN LEVEL 技工級</b>									
Building Security System Mechanic 屋宇防盜系統技工	-	1	23	-	-	-	-	-	-
Building Services Mechanic 屋宇設備技工	-	1	573	397	55	-	-	-	36
Cable Jointer (Power) 強電流電纜接駁技工	-	-	40	136	-	-	-	-	48
Carpenter/Painter 木工／髹漆工	-	37	27	178	-	-	-	-	10
Communication System Mechanic 電訊系統裝配工	-	188	514	789	164	-	-	-	24
Electrician/Electrical Fitter 電工／電氣打磨裝配工	-	542	2 444	4 758	1 352	-	-	5	266
Fire Services Mechanical Fitter 消防機械裝配工	-	26	318	292	325	-	-	-	6
Fire Services Electrical Fitter 消防電氣裝配工	-	32	121	115	192	-	-	-	31
Lift/Escalator Mechanic 升降機／自動梯技工	-	417	507	1 230	474	-	-	-	140
Mechanical Fitter/ Machinist 機械打磨裝配工／ 機床工	-	11	564	1 648	973	-	-	-	163

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)</b>									
Overhead Linesman 架空電線技工	-	-	40	438	6	-	-	-	8
Plumber and Pipe Fitter 喉管工	-	12	143	472	32	-	-	-	41
Refrigeration/ Air-conditioning/ Ventilation Mechanic 冷凝／空氣調節／ 通風設備技工	-	862	2 399	3 083	240	-	-	-	204
Sheet Metal Worker/ Thermal Insulation Craftsman 薄片金屬構造工／ 保溫技工	-	-	157	249	10	-	-	-	14
Sign Installer 招牌安裝工	-	-	2	2	-	-	-	-	-
Welder 焊接工	-	2	32	79	4	-	-	-	5
Electrical Appliances Service Mechanic 電器用具維修技工	-	242	246	268	34	-	-	-	-
AV and TV Mechanic 影音及射頻技工	-	1	223	28	189	-	-	-	6
Foreman/Chargehand 管工／領工	-	101	224	792	2 169	92	-	-	85
Sub-total 小計	-	2 475	8 597	14 954	6 219	92	-	5	1 087
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人／普通工人</b>									
Labourer 雜工	11	343	630	-	-	-	-	-	16
Semi-skilled Worker 半技術工人	202	902	1 314	1	-	-	-	-	37
Sub-total 小計	213	1 245	1 944	1	-	-	-	-	53
<b>GRAND TOTAL 總計</b>	<b>213</b>	<b>3 756</b>	<b>11 713</b>	<b>16 693</b>	<b>9 520</b>	<b>6 552</b>	<b>3 373</b>	<b>1 231</b>	<b>2 512</b>

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

DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE  
根據每月收入幅度僱員人數分佈情況

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>PROFESSIONAL/TECHNOLOGIST LEVEL</b> 專業人士/技師級									
Electrical Engineer 電機工程師	-	-	-	1	1	6	2	2	14
Marine Engineer 輪機工程師	-	-	-	-	5	8	23	30	10
Mechanical Engineer 機械工程師	-	-	-	-	-	10	6	2	15
Ship Designer/ Naval Architect 船舶設計師/ 造船工程師	-	-	-	-	2	-	5	21	4
Ship Repairs Manager/ Superintendent 船舶修理主管/ 船舶修理監督	-	-	-	-	-	15	17	82	-
Sub-total 小計	-	-	-	1	8	39	53	137	43
<b>TECHNICIAN LEVEL</b> 技術員級									
Draughtsman 繪圖員	-	-	-	-	-	9	-	-	-
Electrical Engineering Technician 電機工程技術員	-	-	3	13	5	7	-	9	20
Electronics/ Telecommunication Technician 電子/通訊技術員	-	-	5	-	9	8	-	-	20
Estimator 估計員	-	-	-	-	18	1	-	-	-
Mechanical Engineering Technician 機械工程技術員	-	-	8	23	15	23	1	30	25
Safety Officer 安全主任	-	-	-	1	3	5	12	6	1
Supervisor/Foreman 監督/管工	-	-	15	46	74	69	3	-	15
Sub-total 小計	-	-	31	83	124	122	16	45	81

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>TRADESMAN/CRAFTSMAN LEVEL</b> 技工級									
Air-conditioning Mechanic/Sheet Metal Worker 空氣調節技工/ 薄片金屬構造工	-	-	8	13	1	-	-	-	12
Carpenter 木工	-	4	37	91	20	-	-	-	-
Crane Driver 起重機操作工	-	-	16	23	1	-	-	-	-
Electrician 電工	-	-	40	100	-	-	-	-	30
Mechanical Fitter 機械打磨裝配工	-	20	167	262	86	4	-	-	-
GRP-Worker 玻璃纖維工	-	-	13	6	6	-	-	-	-
Machinist 機床工	-	-	34	16	5	2	-	-	-
Marine Pipeworker 船舶喉管工	-	-	24	39	-	-	-	-	-
Painter 髹漆工	-	4	39	54	6	-	-	-	-
Rigger 索具工(喊咗工)	-	-	82	19	1	-	-	-	-
Ship Classification Qualified Welder 船級協會認可焊接工	-	-	10	18	-	10	-	-	8
Steel Worker (Boiler Maker/Steel Plater/ Blacksmith) 鋼鐵工(鍋爐工、造船 鋼板工、捻縫工/鐵工)	-	-	43	32	15	-	-	-	-
Welder 焊接工	-	-	23	76	2	4	-	-	-
Sub-total 小計	-	28	536	749	143	20	-	-	50
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL</b> 半技術工人/普通工人									
Labourer 雜工	2	99	4	3	-	-	-	-	7
Semi-skilled Worker 半技術工人	-	52	12	-	-	-	-	-	-
Sub-total 小計	2	151	16	3	-	-	-	-	7
<b>GRAND TOTAL</b> 總計	2	179	583	836	275	181	69	182	181

**THE GAS SECTOR**  
氣體燃料行業

**DISTRIBUTION OF EMPLOYEES BY MONTHLY INCOME RANGE**

根據每月收入幅度僱員人數分佈情況

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>PROFESSIONAL/TECHNOLOGIST LEVEL 專業人士/技師級</b>									
Electrical Engineer 電機工程師	-	-	-	-	11	-	12	8	-
Gas Engineer (Fuel Gas) 氣體燃料工程師	-	-	-	-	33	3	107	18	1
Mechanical Engineer 機械工程師	-	-	-	-	-	-	59	-	-
Sub-total 小計	-	-	-	-	44	3	178	26	1
<b>TECHNICIAN LEVEL 技術員級</b>									
Electrical Engineering Technician 電機工程技術員	-	-	-	6	2	-	-	-	-
Gas Engineering Technician 氣體燃料工程技術員	-	-	14	298	9	6	4	-	2
Mechanical Engineering Technician 機械工程技術員	-	-	-	31	1	-	34	-	-
Supervisor/Chargehand 監督/管工	-	-	27	28	34	79	-	-	-
Sub-total 小計	-	-	41	363	46	85	38	-	2
<b>TRADESMAN/CRAFTSMAN LEVEL 技工級</b>									
Electrician/ Electrical Fitter 電工/電氣打磨裝配工	-	-	7	28	1	-	-	-	1
Gas Distribution Fitter (LPG) 氣體燃料輸送技工 (石油氣)	-	-	-	-	1	-	-	-	-
Gas Distribution Fitter (Town Gas) 氣體燃料輸送技工 (煤氣)	-	25	22	174	-	-	-	-	-
Gas Utilization Fitter (Domestic) 氣體燃料用戶裝置技工 (住宅式)	-	49	131	152	39	-	-	-	3

Job Title 職稱	Under \$6,001 以下	\$6,001- \$9,000	\$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
<b>TRADESMAN/CRAFTSMAN LEVEL (Continued) 技工級 (續)</b>									
Gas Utilization Fitter (Non-domestic) 氣體燃料用戶裝置技工 (非住宅式)	-	22	33	106	11	-	-	-	-
Mechanical Fitter 機械打磨裝配工	-	3	13	-	-	-	-	-	-
Welder 焊接技工	-	-	-	-	7	-	-	-	-
Sub-total 小計	-	99	206	460	59	-	-	-	4
<b>SEMI-SKILLED WORKER/GENERAL WORKER LEVEL 半技術工人/普通工人</b>									
Driver (LPG Cylinder) 司機 (石油氣瓶車)	-	-	16	2	-	-	-	-	4
Labourer 雜工	1	2	11	-	-	-	-	-	-
Semi-skilled Worker 半技術工人	-	13	22	3	-	-	-	-	3
Vehicle Attendant/ Deliveryman (LPG Cylinder) 跟車/送貨員 (石油氣瓶)	-	5	20	-	-	-	-	-	5
Sub-total 小計	1	20	69	5	-	-	-	-	12
<b>GRAND TOTAL 總計</b>	<b>1</b>	<b>119</b>	<b>316</b>	<b>828</b>	<b>149</b>	<b>88</b>	<b>216</b>	<b>26</b>	<b>19</b>