



## ABOUT US

PT. Selaras Mandiri Tehnik is a special manufacturing company of Refrigeration equipment and experienced. Started in the city of Surabaya - Indonesia, we have developed be one company of refrigeration to leading the local market in Indonesia and continuously to meet the customer needs.

We are carrying 2 famous brands AIREF and GREENHALGH. AIREF stands for excellent refrigeration equipment covering wide range commercial and industrial applications, as well stationary and transport refrigeration. GREENHALGH stands for superior quality in air cooled heat exchanger such as condenser, evaporator, dry cooler, etc.

Through our strong network, SMT local presence ensures an instant cooling and refrigerating supports through our specialists achieve higher flexibility and always to be next our regional customer spectrum.

To keep our products being competitive at international level, SMT is joint cooperating with world famous companies and adapting latest manufacturing technologies.

We are building standard unit and unit for special applications, testing under one roof production concept. We continuously develop broader, higher value solution for comprehensive cooling, refrigeration equipment and believe in our good future.

*PT. Selaras Mandiri Tehnik adalah perusahaan khusus manufaktur dibidang refrigerasi dan sangat berpengalaman, dimulai di kota Surabaya Indonesia. Kami telah berkembang menjadi salah satu perusahaan refrigerasi yang memimpin pasar lokal Indonesia yang terus memenuhi kebutuhan pelanggan.*

*Kami membawa dua merek terkenal AIREF dan GREENHALGH. AIREF adalah sistem refrigerasi yang dirancang untuk memberikan solusi berbagai aplikasi industri dan komersial, serta refrigerasi stasioner dan transportasi. GREENHALGH adalah produk berkualitas unggul dibidang penukar panas dengan produk kondensor, evaporator, dry cooler, dll.*

*Melalui jaringan kami, kehadiran SMT menjamin pendingin instan dan pendukung bidang refrigerasi dengan fleksibilitas spesialis kami dan selalu menjadi pilihan utama pelanggan.*

*Untuk menjaga produk kami menjadi kompetitif di tingkat internasional, SMT bekerjasama dengan perusahaan terkenal di dunia dan mengadaptasi teknologi manufaktur terbaru.*

*Kami memiliki unit standar dan unit untuk aplikasi khusus, diuji dalam konsep satu atap produksi. Kami terus berinovasi, solusi bernilai tinggi untuk pendingin komprehensif, peralatan refrigerasi danpercayaan pada kami untuk masa depan lebih baik.*

## OUR BRAND NETWORK



## PT. Selaras Mandiri Tehnik

### Sales Office

Rukan Sunter Permai B1, Jl. Danau Sunter Utara, Sunter, North Jakarta - Indonesia  
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### Factory

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For all your  
cool and freshness



## Company Profile



[www.airefonline.com](http://www.airefonline.com)

## CONDENSING UNIT



### IZSI Condensing Unit

IZSI indoor condensing unit powered by Copeland Scroll™ comes with liquid injection technology for improved performance and reliability.

- Wide operating envelope for various applications
- Efficient and quiet
- Low applied cost
- Simple and reliable



### IZFI Condensing Unit

The IZFI condensing unit have performance 7.5 to 15 HP is a platform has been developed specifically for low temperature refrigeration applications. The condensing units are designed by integrating the highly efficient ZFI\*KQE Vapor Injection compressor which delivers 20% higher efficiency compared to single stage compressors.



### AIREF Condensing Unit

Airef condenser unit GC-Series is a superior product backed by MC-Series condenser Greenhalgh as heat transfer solutions with high efficiency, low noise and reliable heavy duty axial fans with external rotor mounted on a full bell mouth with protection guard grille. Bitzer compressor to support generate maximum cooling capacity.



### Multi Rack Compressor

A parallel rack system is a multiple compressor refrigeration unit piped in parallel to yield smooth capacity control as compared to a single compressor unit.

## EVAPORATOR



**E1-Series**

SC2 : 0.82 - 9.71 kW  
SC3 : 0.54 - 6.34 kW



**E4-Series**

SC2 : 21.4 - 163.6 kW  
SC3 : 10.9 - 128.5 kW

**E2-Series**

SC2 : 1.46 - 25.1 kW  
SC3 : 0.90 - 15.6 kW



**E3-Series**

SC2 : 6.95 - 88.3 kW  
SC3 : 4.05 - 54.8 kW

## COLD STORAGE SYSTEM



### AK/AT-SERIES Cold Storage System

Cold storage chiller and freezer room with smart cooling intelligence

Ruang penyimpanan pendingin dan pembeku dengan kecerdasan pendingin

AK Series (Chiller)	Cooling Load (kW)	Product Quantity (Tonase)	Condensing Unit (Model)	Capacity (kW)	Evaporator (Model)	Capacity (kW)
	4.3 - 12	15 - 65	IZSI Condensing Unit	4.9 - 13.24	ME-Series	5.7 - 9.6
	15.2	75	IZFI Condensing Unit	15.79	E2-Series	10.7 - 17.8
	18.4 - 40.1	100 - 265	AR Condensing Unit	20.9 - 40.1	E3 Series	20.7 - 45.4
	45.1	300	AR Condensing Unit	47.6	E4 Series	51.4

\*Based on room temperature 2°C, ambient temperature 38°C and RH 55%

AT Series (Freezer)	Cooling Load (kW)	Product Quantity (Tonase)	Condensing Unit (Model)	Capacity (kW)	Evaporator (Model)	Capacity (kW)
	2.4 - 5.6	4 - 18	IZSI Condensing Unit	2.4 - 6.1	ME-Series	2.6 - 6.2
	6.5 - 19.7	25 - 150	IZFI Condensing Unit	8.2 - 20.9	E2-Series	8.4 - 15.6
	21.7 - 30.9	175 - 300	AR Condensing Unit	22.9 - 30.9	E3 Series	20.8 - 31.3

\*Based on room temperature -18°C, ambient temperature 38°C and RH 55%

## CONDENSER



### MC-Series

R404a : 4.9 - 365.5 kW  
R290 : 4.9 - 334.4 kW

Greenhalgh "Seri-MC" telah dirancang dengan berbagai macam pilihan. Kapasitas kondensor 4.9kW-365.5kW dengan R404a dan 4.9-334.2kW dengan R290 @15KTD menyesuaikan kebutuhan anda pada kapasitas besar atau kecil.



**C1-Series**

R404a : 10.02 - 680.6 kW



**C2-Series**

R404a : 775.0 - 1427.2 kW



**C3-Series**

R404a : 61.71 - 543.57 kW



**C4-Series**

R404a : 293.93 - 832.58 kW

## DRY COOLER



**D1-Series**

Water : 4.89 - 649.48 kW  
Glycol : 4.72 - 638.44 kW



**D2-Series**

Water : 147.99 - 921.23 kW  
Glycol : 142.42 - 905.78 kW

Industrial sector : Air Conditioning, process engineering, unit-type heating/power station, it is suitable for all heat emission into air and erection in the open air.

Sektor industri : Pengkondisian udara, proses engineering, unit-type pemanas/power station. Ini sangat cocok untuk semua emisi panas pada udara dan ereksi di udara terbuka.