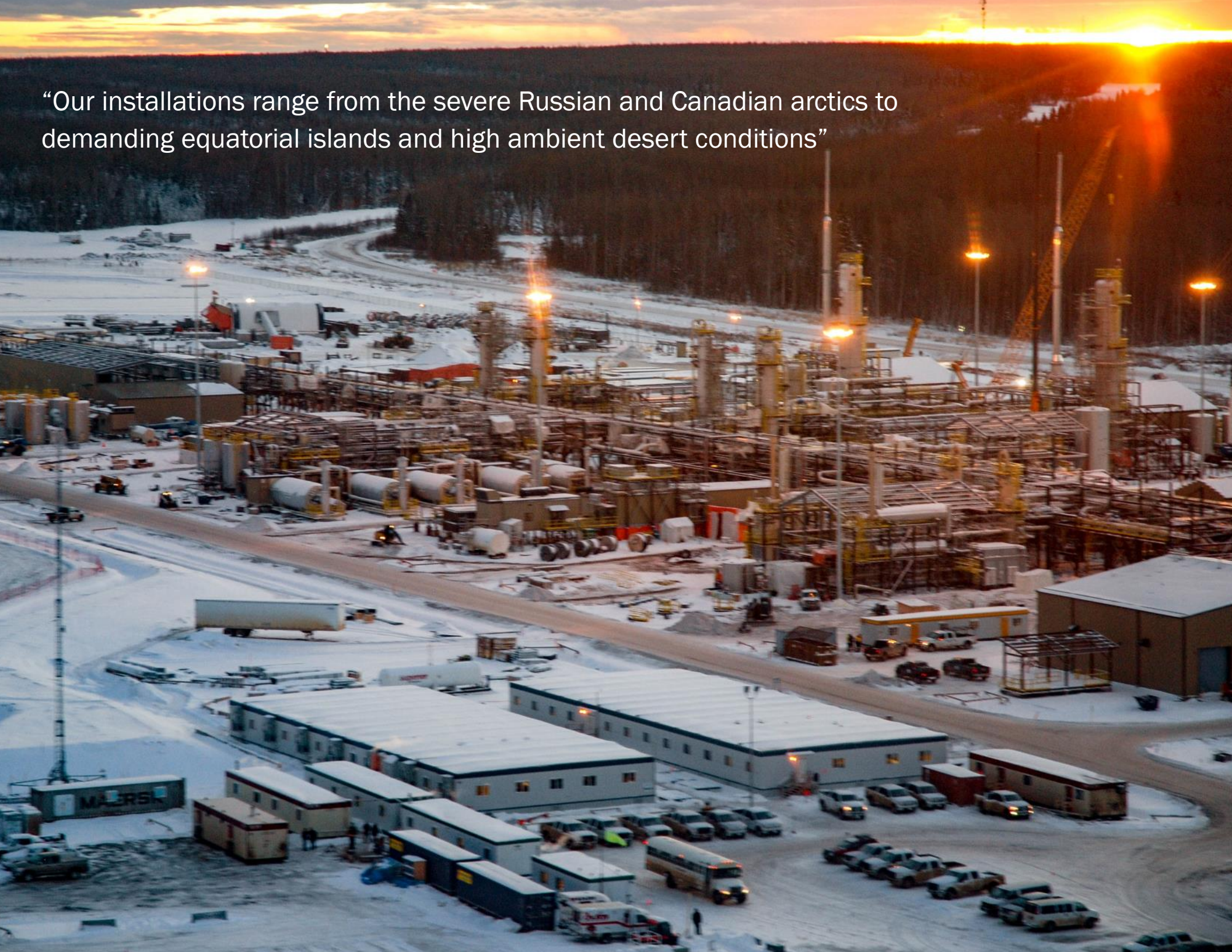
Sutton Stromart

COOLING SYSTEM SOLUTIONS


“Our installations range from the severe Russian and Canadian arctics to demanding equatorial islands and high ambient desert conditions”
MÆRSK

Sutton Stromart Limited is a complete radiator manufacturing company with Headquarters and North American manufacturing located near Toronto, Canada. For over 40 years we have manufactured high quality radiators and cooling systems for various applications including power generation, compressors, pumps, oil field equipment, steam condensers and process cooling. We specialize in custom designed cooling solutions that are optimized for each application. Our installations range from the severe Russian and Canadian Arctic to demanding equatorial island and high ambient desert conditions. Completed projects commonly have provided a service life in excess of 25 years. As a custom design manufacturer, customer requested modifications can be easily accommodated.

With a US sales office located in Racine, Wisconsin and a manufacturing partnership in Amman, Jordan, we pride ourselves on our reputation of providing high quality products with excellent service and on-time deliveries throughout to world.

Our business has been built on highly optimized radiators for global power generation markets. Radiator designs always keep site specific sound requirements in mind, and extremely quiet designs can be produced when specified.

Carefully tuned fan and motor designs allow for reduced parasitic losses leading to maximized plant operating efficiencies .

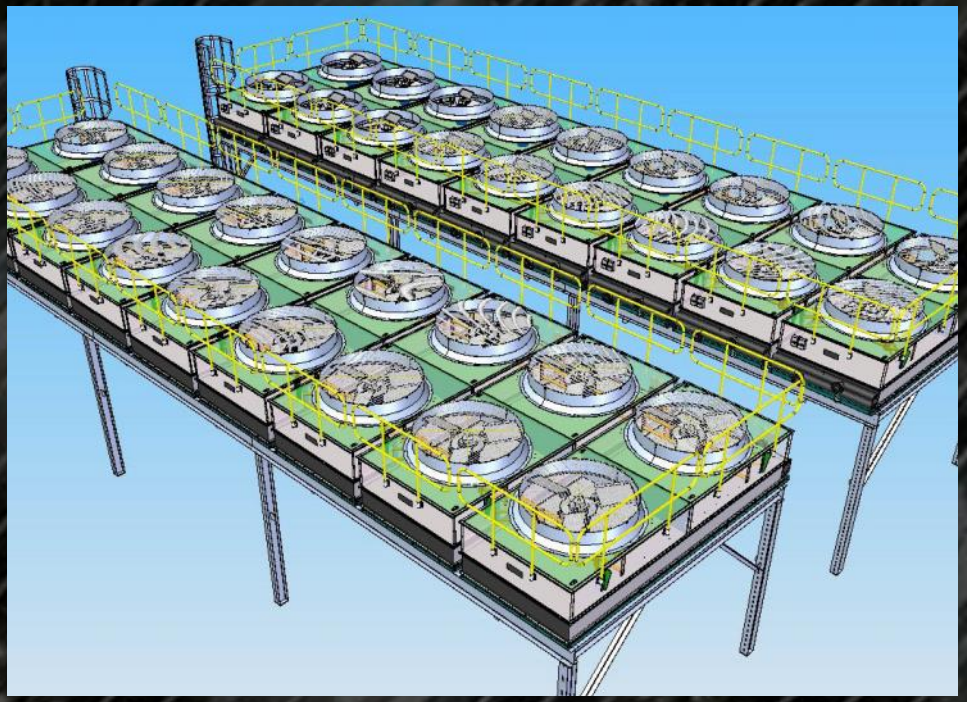
Custom solutions to fit any engine packaging application. Any design requirement can be worked to in order to fit within the enclosure, be roof mounted or be placed on a remote pad.

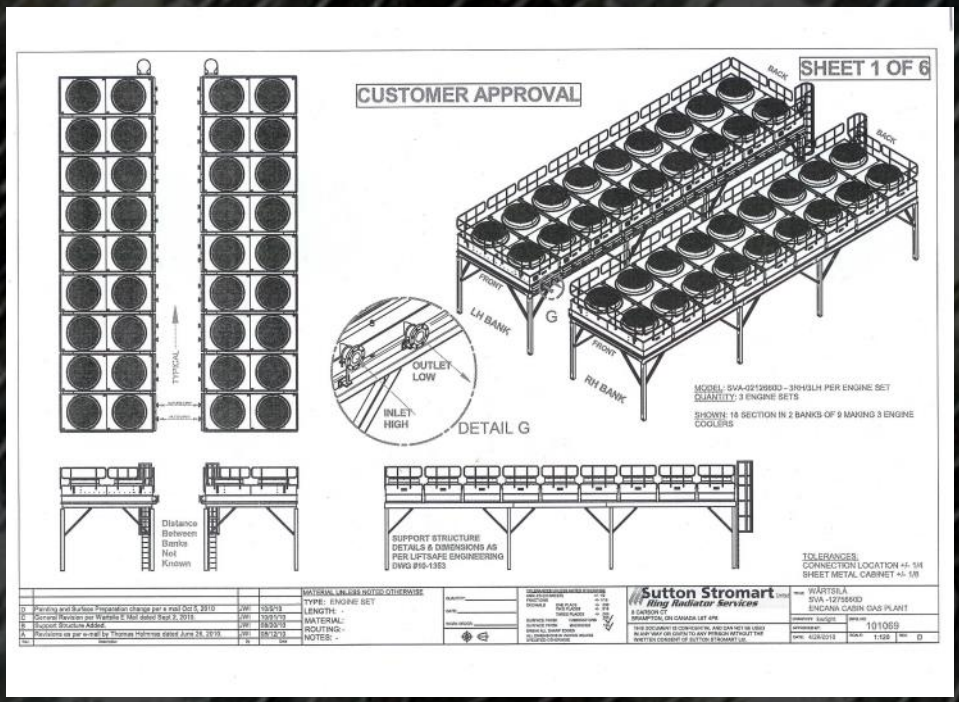
Custom design, as standard, allows Sutton Stromart to adapt sizing to fit within architectural treatments so that radiators are not seen.

Low noise fan designs allow us to be much quieter than typical OEM designs.

EBI Énergie, Saint-Thomas, Québec, Canada

Our Principals



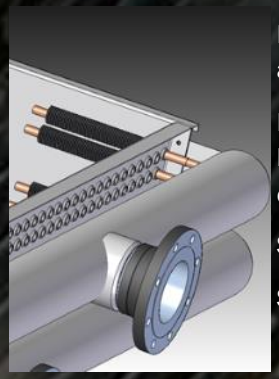


"The most important person in our business is our client; without them we have no purpose."

At Sutton Stromart our overarching philosophy is to develop designs and solutions for our customers that both meet their needs today and protect them, to the best of our ability, from problems that they could face in the future. We look to be a value-added partner to our client in the supply of thermal management systems for their stationary engines.

No corners are cut, and only premium grade materials and components go into a Sutton Stromart air-cooled heat exchanger. We will follow best practices in the construction of our products, unusual concerns that arise in the field are investigated and corrective actions are put into place and incorporated into best practices going forward.

Our Round Tube Core



Fin-tubes are high temperature brazed to tube extensions and steel header pipes at header end

Individual fin-tubes are held in position by tube sheets at header and return ends in a way that eliminate thermal expansion and contraction issues

Same end connections simplify plumbing

Single circuit or stacked 2-circuit configuration are possible

Construction is made around 5/8" OD x 0.020" min. wall round copper tubes

0.010" thick aluminum fins are individually tension wound around each tube

Copper fins with tin coating are also an available option.

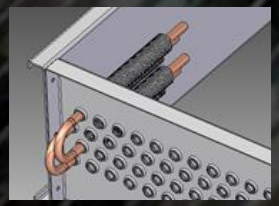
Designed to work to pressures of 200 PSIG and temperatures of 400°F

All cores are tested at 300 psi air under water

Tube supports along length of the core provide structural strength

All steel frames are galvanized with additional edge protection added

Additional salt-air corrosion resistant coatings can be applied to the core for use in marine environments



Tubes are free float in the tube sheets. This mean tubes can expand and contract thermally and eliminate tube to header stress

Brazed to heavy wall 0.032" copper return bends at return end

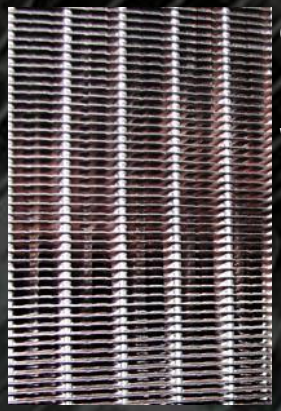
Our Oval Tube Core

Copper and brass construction available

Oval welded or lockseam tubes through copper fins arranged in a staggered or inline configuration

Fin surfaces have louvers for more cooling efficiency

Louvered fins can be replaced with non-louvered fins for use in dusty environment where clogging may be an issue



Core thickness can range from 2 to 11 rows

1/2" and 5/8" tubes are available

Wide range of fin types and pitches are manufactured

All steel frames are galvanized with additional edge protection added

Optional salt-air corrosion resistant core coatings available

“S” Series Designs

Round tube core with free floating individually wound fin-tubes

Spun venturi fan shroud providing optimal airflow patterns and reducing sound emissions

OSHA compliant fan guards

NEMA TEFC motors are standard, IP55, 1.15 SF, 60Hz or 50Hz Service

Direct drive fan motors (no belts, no bearings)

Motors are upgraded to Sutton Stromart specifications

Thermal Overloads, Control Transformers, Start Control Options, Temperature Sensing, Auxiliary Contacts, CSA UL certified

Hydraulic motors can also be used in special cases

Custom airfoil or solid aluminum fan blade designs

Multiple fans for improved parasitic system load

Each fan is selected for optimum sound performance

Option for protective coatings such as Heresite or Electro-fin

“E” Series Designs

Round tube core with free floating individually wound fin-tubes

Spun Venturi Fan Shroud Providing optimal airflow patterns and reducing sound emissions

OSHA Compliant Fan Guards

NEMA TEFC motors, IP55, 1.15 SF, 60Hz or 50Hz Service, Heaters available

Low HP direct drive fan motors (no belts, no bearings)

Motors are upgraded to Sutton Stromart specifications

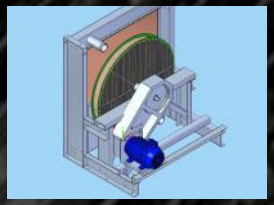
Thermal Overloads, Control Transformers, Start Control Options, Temperature Sensing, Auxiliary Contacts, CSA UL certified

Custom fan selection

Each fan selection is tuned for optimum sound performance

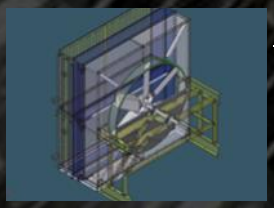
Option for Protective Coatings such as Heresite or Electro-fin

“R” Series Designs



Remote Design

Horizontal or Vertical Airflow, Belt or Direct Driven Fans, Remote Charge Air Applications to 1150 HP, Two Circuit Front to Back or Side By Side



Fan On Radiator – EB Series

Idler Bearing and Shaft, Fan Stub Shaft, Two Circuit Front to Back or Side By Side

Fan On Engine – E Series

Combined CAC Front to Back, Under Over, Side by Side, Two Circuit Front to Back or Side By Side

Hi Efficiency Flat Oval Tube Core, Plate Fin, Louvered, Dimpled or flat

NEMA TEFC motors are standard, IP55, Min. 1.15 SF, 60Hz or 50Hz Service, Heaters Available

Custom airfoil or aluminum fan blade designs.

Each fan is tuned for optimum sound performance

Custom Designs

ASME code design, elevating structures and with walkways and ladders

Contact a Sutton Representative to discuss your project specific requirements

A global presence.....

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