

STS - SKIN-EFFECT TRACING SYSTEM



The SANTO STS System is a versatile engineered heat management system configured to deliver heat for medium to long pipelines.

Applications include: material transfer lines, snow and ice melting, tank foundation heating, subsea transfer lines and prefabricated, pre-insulated lines. The industry leader in offering single source responsibility in heat management, SANTO brand are uniquely qualified to offer Skin-Effect Systems that combine system engineered expertise with proven procurement/construction capabilities.

STS SYSTEMS CAN BE DESIGNED FOR:

- Circuit lengths up to 25 kilometers (15 miles)
- Power outputs up to 150 W/m (49.2 W/ft)
- Maintain temperatures up to 200°C (392°F)
- Exposure temperatures up to 250°C (482°F)

WHY STS?

Longline capability

Circuit lengths up to 25 kilometers (15 miles) from a single power source.

Flexibility

Ideal for either factory fabricated, pre-insulated or field installed system.

Maintainable

Pull/splice boxes simplify access to the system without disturbing insulation.

Safe

Fully grounded system with zero electrical potential on pipe surfaces.

Rugged and reliable

Entire circuit is encapsulated within rugged heat tubes and steel boxes.

Accurate control

A closed loop control system includes redundant temperature sensing.

Engineered

Systems are custom engineered in accordance with ANSI/IEEE 844, NEC 426/427 and plant standards.

Simulation studies

Temperature profile plotting capability.

Computerised design

Runaway temperature, dynamic static heat-up/cool-down calculations available.