

Green Power

Mega Spiral Steam Cycles (MS²C)



Universal Technologies Corporation

Mega Spiral Steam Cycles (MS²C)

With the application of UTC's Mega Spiral Steam Cycles, the Electrical Power Generation is increased by 50 – 150% without the need for any additional fuel. The technologies can be implemented in all kinds of Power Plants. The Electrical Power is 100 % Clean and Green. Also, it has no impact on the current plant operation.

Power Generation Models & Cycles

Mega Spiral Steam Cycles (MS²C)

Mega Star Cycles (999)

Mega Star Cycle II – UTP 999 -200

Generates 75 – 100 % more Electrical Power

Mega Star Cycle I – UTP 999 -100

Generates 50 - 75% more Electrical Power

Mega Star Cycle III – UTP 999 -300

Generates 100 - 150% more Electrical Power

The Mega Spiral Steam Cycles are based on creativity and innovation.

These Power Generation Cycles and their features are based on the Spiral Vapors Collapsing Technology (SVCT).

Again, UTC is the first to create and develop this novel technology for enhancing the Electrical Power Generation.

Spiral Vapors Collapsing Technology (SVCT)

SVCT converts low pressure/low temperature steam exhaust (Low BTU Contents) into high pressure/ high temperature (High BTU Contents) condensate in a closed loop. Latent heat of low pressure steam vapors converts into high pressure/ high temperature sensible heat in the liquid state.

Mega Spiral Steam Cycles (MS²C) Features and Paramount Advantages

More than double the power of any Electrical Power Generation Facility – Operating at the highest Thermal, Mechanical, and Electrical Systems Efficiencies

- Natural gas combined cycle power plant
- Coal fired power plant
- Petcoke fired power plant
- Diesel / fuel oil power plant
- IGCC power plant
- Nuclear power plant

Additional Advantages:

- About 75 – 80% of the auxiliary power load can be redirected to transmission power lines
- Zero thermal pollution
- Zero liquid waste

Elimination/Reduction most of the auxiliary systems such as:

- ◆ Cooling system
- ◆ Deaerator / vacuum system
- ◆ Boiler feed water heater
- ◆ Boiler feed water pumps (primary & secondary)
- ◆ Water treatment
- ◆ Waste water

- Steam Turbine & Associated System do not require maintenance.
- Plant Maintenance Savings by 70 – 80 %
- Savings in Capital Investment of 30 - 45 % in new plants

Imagination is the Limit



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