Saint-Petersburg, 10.10.2014

Siemens Gas Turbine Technologies (SGTT)
Siemens Gas Turbine Technologies (SGTT) – JV of Siemens AG and Power Machines

Sphere of activity
Production and services of gas turbines with capacity > 60 MW

Office and production
- Saint - Petersburg
- The construction of new production facilities (Commissioning by the end of 2014)

Gas Turbines
- SGT5-2000E, 172 MW
- SGT5-4000F, 307 MW
- SGT5-8000H, 375 MW

Service
- Inspection
- Modernization, repowering
- Service (long-term and short term contracts)

Founded
December 1, 2011
(1991-2011 OOO Interturbo)

Shares in joint venture
- Siemens AG – 65%
- OJSC Power Machines – 35%

Personnel
350 employees
New factory Siemens Gas Turbine Technologies in Gorelovo, Leningrad region

- New location for SGTT 20.7 m²
  - Manufacturing 13.7 m²
  - Office 6.5 m²
  - Others 0.5 m²

- Existing locations of JV 10.6 m²
  - Novoe Devyatkin: current leased factory site inside the Power Machines factory 7.4 m²
  - Leto: Office location 3.2 m²

Existing Siemens Locations in Saint-Petersburg

- Moyka, 36
- Elektroprivod
- Novoe Devyatkin
- Leto
- Gorelovo
- Sapsan
- BSH
- Elektroprivod

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Main SGTT products:
Gas turbines SGT5-2000E and SGT5-4000F

SGT5-2000E: designed for reliable, robust, and flexible power generation

SGT5-4000F: Proven design features for highest operational benefits
Workshop, office connection with bridge, road

Foundations for Oven and Paint shop, Sandblasting area

Office inside

Façade Workshop

Façade Office

100t+250t crane in bay 2, Ready Foundations
Type: Face-plate Lathe
Model: P 2400 – CNC
Manufacturer: Fa. Ravensburg

EQUIPMENT PARAMETERS
Diameter of the part installed above bed shear
Diameter of facing above shear sleds
Center height
Permissible rough part weight
Longitudinal axial displacement "Z"

STANDARD PARTS FOR MACHINING
discs, sheaves, wheels, fly wheels, solids Ø from 320 to 2020 mm, length -
Type: Horizontal Boring and Milling Machine
Model: SPEEDRAM 2000
Manufacturer: PAMA

EQUIPMENT PARAMETERS
Longitudinal strut displacement (X axis)
Vertical head stock displacement (Y axis)
Axial slide plate displacement «Z»
Axial boring spindle displacement (W axis)
Total axial displacement (W + Z axis)
Equipped with 2 tables with rotational and axial displacements:
- Table size
- Maximum work load

STANDARD PARTS FOR MACHINING: boring, drilling, hole enlarging, threading, surface machining, radial facing, cylindrical milling of large-scale rough parts.
Thank you for your attention!
SGT5-4000F Reference in Russia

Power Stations:

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7 Units in operation + 9 Units under construction/erection. Commissioning in 2014-2015:

Since 1996 more than 280 units SGT5-4000F have been installed world-wide with almost 9.2 mio EOH.