

INDUSTRIAL & MARINE TURBINE (GAS & STEAM)

FORECAST

SAMPLE



22 Commerce Road, Newtown, CT 06470 USA • Phone: 203.426.0800 • Fax: 203.426.0223
Toll-Free 800.451.4975 (U.S. & Canada) • Email: sales@forecast1.com • Website: forecastinternational.com

Analysis 1

continue to be viable competitors, while their superior operating economics make them attractive in a wide range of applications.

In numerical terms, power generation turbines of over 180-MW capacity represent 25.97 percent of the market, an astounding 66 percent increase over the comparable number for last year. What's more, this actually understates the situation, since the average output of large gas turbines continues to climb steeply. While 200 MW was considered a large gas turbine a few years ago, now outputs five times that figure are not uncommon and gas turbines an order of magnitude more powerful are entering the market. A growing number of these large turbines are deployed with heat recovery units in combined-cycle power plants with efficiencies of well over 60 percent.

What also must be addressed is where sales of gas turbines are not directly related to climbing power demands. An examination of output power from gas turbines and the unit cost of the units quickly reveals that the relationship between the two is not linear. One 400-MW gas turbine costs significantly less than two 200-MW turbines, and the difference increases as the output of the larger turbines goes up. The fact that when building large, centralized power generation facilities, it is much more economical to use the largest

gas turbines compatible with the environment of the proposed plant.

This is where, once more, the situation becomes complex. A large centralized power station requires a sophisticated and reliable electrical grid to distribute the generated power – something not necessarily available in many parts of the world. In such cases, therefore, the costs of establishing such a grid must be included within the economic analysis of the project. It may well be that the added capital cost of establishing distributed generating capacity using numerous smaller turbines may be less burdensome than the costs of providing a distribution net. The same may apply to fuel sourcing. If coal is abundant and the infrastructure to transport it to the point of use already exists, then these factors may override the advantages of gas. An example can already be seen in the development of integrated coal gasification plants and the continued procurement of coal-fired steam turbines.

Thus, an economic analysis of the power generation gas turbine market and its structure extends far beyond a simple consideration of gas turbines themselves. The days when developments in that market were directly related to changes in demand for power are long gone. Now, trends in power demand are but one factor in a complicated equation wherein many of the other variables are subjective or hypothetical.

* * *

FORECAST INTERNATIONAL

Order Form. *For proper shipping, please provide all of the following information.*

Name _____

Title _____

Company _____

Street Address _____

City _____ State/Prov. _____

Country _____ Zip _____

Phone _____ Fax _____

Email (required) _____

Cardholder Name _____

Card# _____ Exp. _____ CSC# _____

Billing Address (if different from above) _____

- Check Enclosed
 Bill Company *Purchase Order # and Signature Required*
 Quotation Requested
 VISA 
 MasterCard 
 American Express 
 Discover 

Name of Product/Service	Code	Qty.	Price

Don't Forget to Bookmark our Websites and our Blog
 See back cover for URLs

Subtotal _____
 Shipping _____
 In Connecticut add 6.35% Sales Tax _____
 Grand Total _____



22 Commerce Road, Newtown, CT 06470 USA
 203.426.0800 Toll-Free: 800.451.4975 (U.S. & Canada)
 Fax: 203.426.0223
 forecastinternational.com

SHIPPING AND HANDLING RATES

	U.S.	World
MARKET INTELLIGENCE SERVICES		
Binder	\$95	\$125
DVD	\$80	\$125
MARKET SEGMENT ANALYSES		
Hard Copy	\$65	\$75

SALES OFFICES

HEADQUARTERS USA

FORECAST INTERNATIONAL

22 Commerce Road
Newtown, CT 06470 USA
Phone: 203.426.0800
Fax: 203.426.1964
www.forecastinternational.com
www.fi-aeroweb.com
www.fi-powerweb.com

CUSTOMER SERVICE

Phone: 203.426.0800
Fax: 203.426.0223
customerservice@forecast1.com

NORTH & SOUTH AMERICA

FORECAST INTERNATIONAL

ALFRED STRUNA, SALES MANAGER

Phone: 203.270.0633 ext. 140
Toll-Free: 800.451.4975
(U.S. & Canada)
Fax: 203.426.0223
Email: al.struna@forecast1.com

EUROPE, MIDDLE EAST, AFRICA & RUSSIA

FORECAST INTERNATIONAL

NANCY BROWN, SALES MANAGER

Phone: 203.426.0800 ext. 159
Toll-Free: 800.451.4975
(U.S. & Canada)
Fax: 203.426.0223
Email: nancy.brown@forecast1.com

REPUBLIC OF KOREA

PAMANONG TRADING COMPANY

NAM HEE KIM

79, Nonhyeon-ro
Windstone #1712, Seocho-gu
Seoul 06775 KOREA
Phone: (82) 2 572 4349
or (82) 2 572 4371
Fax: (82) 2 572 4370
Email: nhk@forecast1.com
www.forecast1.co.kr

ASIA, AUSTRALIA & PACIFIC RIM

FORECAST INTERNATIONAL

JIM HEAD, SALES MANAGER

Phone: 203.270.0633 ext. 152
Toll-Free: 800.451.4975
(U.S. & Canada)
Fax: 203.426.0223
Email: jim.head@forecast1.com

CHINA NATIONAL PUBLICATIONS CHINA

CHEN KANGKANG

PO Box 88
16 Gongti East Road
Chaoyang Beijing 100020 CHINA
Phone: (86) 10 6506 6688 ext. 8428
Fax: (86) 10 6586 6970
Email: chenkk@cnpiec.com.cn

ALLIED PUBLISHERS PVT. LTD. INDIA

R. KRISHNAN

Information Products
Specialized Agencies
25/10, Commander-In-Chief Road
Ethiraj Lane, Egmore
Chennai 600 008 INDIA
Phone: (91) 44 2822 3470 (direct)
(91) 44 98402 27226
Email: alliedpublishers@vsnl.com
Email: rkrishnan@alliedpublishers.com
www.alliedchennai.com

HINTON INFORMATION SERVICES

CINDY H TU

6F-3 #103 Ruihu Street Neihu
Taipei 11494 TAIWAN
Tel: +886 2 27993110 ext. 319
Email: cindy.tu@hintoninfo.com.tw
www.hintoninfo.com

EVA Aviation

TOSHIYUKI HARADA

903 Casa Gyoen, 2-4-2 Shinjuku,
Shinjuku-ku, Tokyo 160-0022, JAPAN
Tel +81 3 6380 6104
Email: Toshiyuki.Harada@evaaviation.com
www.Evaaviation.com

Terms and Conditions

DISCOUNT PRICING

All orders over \$4,000 receive up to a 15% discount.

BOOKSELLER DISCOUNTS

For information, call 203.270.0633 or 800.451.4975 (Toll-Free U.S. & Canada).
Email: sales@forecast1.com.

NEW CLIENTS

Payment in full is required with the initial order.

TERMS

Net 30 days. For overdue accounts, we reserve the right to assess interest of 8% annually, and add collection fees.

RETURNS OR REFUNDS

Due to the nature of our products, no returns are accepted and no refunds are provided.

FORMS OF PAYMENT

We accept a company check drawn on a U.S. bank in U.S. dollars, Wire Transfer, VISA, MasterCard, American Express, or Discover for up to \$20,000. For Wire Transfer instructions, contact customerservice@forecast1.com or call 203.270.0633.

Include the quotation or invoice number with your payment.

DATA USAGE

Photocopy/Copyright Permission: Forecast International observes all copyright laws. Reproduction and distribution of any product, except newsletters, is prohibited by law. To obtain a release, please call 203.270.0633 or contact customerservice@forecast1.com.

ELECTRONIC DATA LICENSING

All products are sold and licensed for single-site, single-user applications. Multi-site, multi-user licensing is available. See page 12. Call 203.270.0633 or contact sales@forecast1.com to discuss your requirements.