

PENDAFTARAN

Pendaftaran dapat dilakukan melalui fax (*form terlampir*) ke :

Lembaga Afiliasi Penelitian dan Industri
INSTITUT TEKNOLOGI BANDUNG
Jln. Dayang Sumbi No. 7 Bandung 40132
contact person :

Narti
Tlp : (022) 2502533
Fax : (022) 2504177
E-mail : narti@lapi.itb.ac.id

Biaya pelatihan selama 3 hari (24 jam) adalah sebesar :

Rp 4.000.000,00
(Empat juta rupiah)

dan ditransfer melalui bank ke :

Bank BNI
Jln. Taman Sari No. 80 Bandung
No. Account : 0028680879
Atas nama : LAPI - ITB

Biaya ini sudah termasuk materi pelatihan, training kit, makan siang, rehat kopi, dan sertifikat. Akomodasi dan transportasi ke dan selama di Bandung ditanggung oleh masing-masing peserta. Batas waktu pendaftaran pelatihan adalah tanggal 18 Juli 2009. Berhubung tempat sangat terbatas mohon mendaftar seawal mungkin.

FORMULIR PENDAFTARAN

Nama : _____
Jabatan : _____
Perusahaan : _____
Alamat : _____
: _____
Telepon : _____
Fax : _____
No. HP : _____
E-mail : _____

Saya bermaksud mengikuti *pelatihan Gas Engine and Diesel Engine* di Hotel Sawunggaling pada tanggal 21 - 23 Juli 2009.

Biaya pelatihan akan dibayarkan melalui transfer bank.
..... 2009

(_____)
Peserta

Formulir pendaftaran ini dapat diperbanyak sesuai kebutuhan. Kirimkan formulir pendaftaran ini dan/ atau bukti transfer bank melalui fax.

PELATIHAN

GAS ENGINE and DIESEL ENGINE

**Bandung , Hotel Sawunggaling
Tanggal 21 - 23 Juli 2009**

Diselenggarakan oleh :



LAPI - ITB
LEMBAGA AFILIASI PENELITIAN DAN INDUSTRI
INSTITUT TEKNOLOGI BANDUNG

"GAS ENGINE and DIESEL ENGINE"

INTRODUCTION

Most facilities require some type of prime mover to supply mechanical power for pumping, electrical power generation, operation of heavy equipment, and to act as a backup electrical generator for emergency use during the loss of the normal power source. Although several types of prime movers are available (gasoline engines, steam and gas turbines), the diesel engine is the most commonly used in industrial and Gas engine usually used for gas plant facilities.

OBJECTIVE

After the course participant :

1. Have a good understand of principle operation and operation system of both engine (gas and diesel)
2. Have aknowledge to reliability based maintenance in gas and diesel engine

PARTICIPANTS

Experience operator and maintenance for gas engine and diesel engine. Engineering and supervisor.

SUBJECT

- Day 1 : 1. Principle internal combustion engine :
- Gas engine VS diesel engine
 - Process combustion (SI and PI)
 - General Design and construction gas engine vs diesel engine
 - Process in carburator gas engine vs diesel
 - Turbocharger
 - 2. Combustion chemical process and combustion requirement
 - Gaseus fuel and Gasoline by Characristic
 - Stoichiometric, rule fuel and air ration Methane numbers
 - What is Natural gas, natural gas as fuel
 - Diesel as fuel
 - 3. How Combustion work in cylinder head
 - Normal combustion
 - Detonation
 - Emision
 - Cylinder construction and design.
- Day 2 : 1. Fuel system of gas engine
- Gas fuel
 - Source of nature gas
 - Fuel for gas engine
 - Line pressure regulator
 - Fuel gas tank/ reservoir tank
 - Balance line
 - Corburator
 - Governor
2. Ignition system
3. Air intake system
- Natural aspirated engine
 - Turbocharge
 - Aftercooled engine
4. Air Cleaner
5. Start system

Day 3 : Maintenance and troubleshooting

- Engine Mounting and alignment
- Noise and vibration
- Troubleshooting

INSTRUCTOR

Ir. Dedy Nugraha , menyelesaikan pendidikan S - 1 dari Departemen Teknik Mesin - Institut Teknologi Bandung , yang kemudian mendalami bidang *Power Plant (Gas Turbine, Steam Turbine, Pump & Compressor)* khususnya di bidang *Reliability, Quality, dan Maintenance Management.*

Berpengalaman sebagai Senior Propulsion Engineer di Universal Maintenance Center PT. IPTN (1991 - 2002) dan sekarang sebagai *Reliability Engineer dan Professional Training Instructor.*

Pengalaman sebagai instruktur training adalah di PT. Tjiwi Kimia, PT. Suparma, PT. Indah Kiat Pulp & Paper, PT. Indonesia Power, British Petroleum, PT. Pertamina, PT. Krakatau Steel, PT. Amoco Mitsui, PT. Semen Gresik, Indocement Tunggal Prakarsa, PT. Puncak Jaya Power, Medco Energy dsb.

Dari tahun 2003 sampai dengan sekarang beliau menjabat sebagai *Secretary General Indonesian Society for Reliability.*

JADUAL & TEMPAT PELATIHAN

Pelatihan akan dilaksanakan selama 3 (tiga) hari , mulai tanggal 16 - 18 Juni 2009 , dari pk. 08.00 sampai dengan 16.00 WIB, di

Hotel Sawunggaling
Jln. Sawunggaling No. 13, Bandung
Tlp: (022) 4213254