

PROCESS TECHNICAL SERVICES, INC.

is a

Technical Services Company

specializing in

Preparation and Execution of:

Training • Start-Ups

Precommissioning Initial Operations

Commissioning • Ongoing Operations

PTS also provides professional Consulting Services.
Professional Seminars International (PSI) is a wholly owned subsidiary of PTS.

Making a World of Difference



Process Technical Services
2615 Calder Avenue, Suite 725
Beaumont, Texas 77702

- Reduce costs
- improve schedule
- and have a safer faster start-up – over 300 projects have!

With over fifty years experience in providing technical and professional personnel, Process Technical Services (PTS) provides highly qualified specialists for both domestic and international projects.

gasification, tar sands, gas-to-liquids, cokers, and Syncrude pilot plants with skilled specialists.

food & beverage, pharmaceutical, pulp and paper, hazardous waste, and power industries worldwide.

PTS provides expertise in the operation of power, methanol, coal

PTS has earned its reputation as a trusted service provider because of its unmatched delivery and high performance standards to petrochemical, chemical, refining, pipeline, NGL, LNG,

PTS provides efficient and highly competent employees that can be mobilized promptly to meet a company's requirements and complement their existing staff.

PUBLIC PRESENTATION

Seminar Fee – Process Plant Start-Up

The fee for the Seminar includes course tuition, seminar materials, continental breakfasts, refreshments, and lunch each day.

Once the registration form is received in our office by mail, fax, e-mail, or by telephone, a letter of confirmation will be mailed. Registrations are accepted on a first-come, first-paid basis. Early registration is encouraged due to limited seating capacity.

SUBSTITUTES from the same company may attend in place of a confirmed registrant. A registrant may TRANSFER without penalty to the next scheduled class two weeks PRIOR to the Seminar date. CANCELLATIONS made PRIOR to two weeks of Seminar date are subject to a \$150 processing fee. CANCELLATIONS made WITHIN two weeks of Seminar date are subject to a \$300 processing fee. NO-SHOWS, who do not provide prior cancellation notice, will be subject to one-half the Seminar fee.

Information concerning hotel accommodations will be provided at the time of registration. To receive a Seminar group room rate, reservations should be made directly with the hotel identifying yourself as a registrant of the **Process Technical Services Process Plant Start-Up Seminar**. Hotel rooms are limited and subject to availability.

Process Plant Start-Up

Houston, Texas – \$1,395 USD

- September 15–17, 2009
- January 19–21, 2010
- May 11–13, 2010
- September 21–23, 2010

Canada – \$1,795 USD

Call for dates and locations

ENROLLMENT

Completed Form is Required for Each Participant

Name _____

Title _____

Company _____

Address _____

City _____ State/Country _____ Zip _____

Business Phone _____ Fax _____

E-mail _____

Payment Method: Purchase Order PO Number _____

Master Card VISA American Express Discover

Card Number _____ Expiration Date _____

Security Code _____

Credit Card Address _____

City _____ State/Country _____ Zip _____

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2615 Calder Avenue, Suite 725
Beaumont, Texas 77702
Phone: 409.833.5653

www.processtechnicalservices.com
ptsjudyc@swbell.net

THE Seminar for YOUR Project Team

- Preparation for initial startup
- Effective involvement in design and construction
- Detailed planning for training & commissioning
- Staffing numbers & schedules
- Contractor - Owner cooperation
- Personnel side of project & start-up

HOUSTON, TEXAS

September 15–17, 2009

January 19–21, 2010

May 11–13, 2010

September 21–23, 2010

CANADA

Call for dates & locations.

Register Today!

Process Technical Services Inc. proudly presents

NOW in Canada!



"A fast moving, factual and practical course that should be attended by all members of the project or unit turnaround teams to optimize start-up time and minimize cost."
Jerry Usry, Amoco Polymers

Process Plant Start-Up

- Petrochemical
- Chemical
- Refining
- Pipeline
- NGL
- LNG
- Food & Beverage
- Pharmaceutical
- GTL
- Offshore Production
- Onshore Processing
- Power



The World's Leading START - UP SEMINAR

Start-Up Excellence!

"This should be a required starting point for all projects"

Donald Gill, DuPont

Studies show...

The best projects may be 25% lower in cost than the average project, six months shorter in execution and start-up five months sooner.

In the Process Plant Start-Up Seminar, participants learn step-by-step methods that make successful start-ups a reality!

"The course has a solid foundation built from real, practical project experience."

Robert A. Collins
Shell

Typical start-up problems

Selective discussions of problems sources

Minimizing equipment problems

Equipment problem avoidance actions from beginning of engineering through on-stream operation

Start-up planning

What to do, when, how and by whom with special emphasis on training and commissioning

Management design change

Problems caused by design changes; causes of change and techniques to minimize them

Start-up personnel

Comparison of permanent staff numbers vs. start-up needs; staffing alternatives including shift schedule variations; obtaining "extra" short-term personnel

"The implementation of the content of this course is essential to ensure a successful start-up. The experience of the presenter enhanced and made the course material more credible and relevant."

Helene Fewer, Maintenance Manager - Plant
Albian Sands Energy

Start-up management

Merits of project / start-up management systems; organizing and coordinating for successful start-up

Start-up morale

Consequences of low morale; leadership influence on morale

Critical to achieving this type of performance is **experience**: an experienced manager, experienced project team and an experienced plant team.

If your company wants to maximize start-up results, but lacks depth of experience, your best alternative is for our highly experienced instructors to train your team in the proven methods of **Process Plant Start-Up**.

Start-up cost prediction

Using historical factors to estimate start-up cost and to highlight avoidable high-cost circumstances

Commissioning-the heart of start-up

Multi-team approach to mesh commissioning and construction turnover schedules; commissioning responsibilities and activities

"The Process Plant Start Up Seminar is a must for project managers who understand that project completion should never be left to chance, and that successful project completion includes successful project start-up."

Cam Schneider, GM C & SU Major Projects
Suncor Calgary Alberta Canada

Construction quality / productivity assurance

Operations role; contractor / owner coordination; examples of safety improvement and cost reductions resulting from owner's QPA efforts

Start-up safety

Safety concerns during initial operation and stabilization; preparing for emergencies; special training for start-up

Human relations during project / start-up assignments

Avoiding excessive work hours and family problems; impact of project / start-up on HR policies and union contracts

"I sure wish I'd attended this excellent practical course a year ago."

Charlie Roubidoux, Business Team Leader
ConocoPhillips

IN-PLANT SEMINARS

The Process Plant Start-Up Seminar is also provided as a two and a half day In-Plant Seminar that is customized to meet the specific needs of your projects.

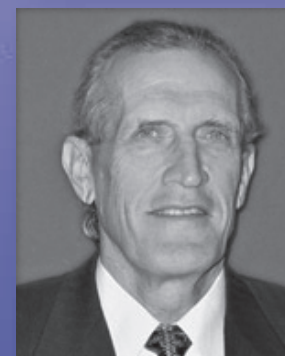
On the morning of the third day, the Course Director leads an in-depth discussion of "problems and concerns" submitted by seminar attendees.

This **Follow-up Program** has helped identify troublesome situations early on so actions can be taken to ensure the project meets its milestones.

A one-day **Executive Course** is also available for individuals who are responsible for making major capital management decisions.

The course describes successful project/start-up organization concepts, implementation methods, and resource requirements.

For more information call
409.833.5653 or email
ptsjudyc@swbell.net.



Jerry L. McAfee, Course Director

commercial facility, a second larger plant using alternative technology, and a new technology "Terathane" plant.

McAfee met Bill Tillman in 1989 while attending his world renowned Process Plant Startup Seminar. As Project Manager, McAfee subsequently enrolled each of his project teams in the seminars. All three projects were completed and started up under cost, ahead of schedule, and with exceptional start-up results. Two of the projects were recognized corporately with awards for Engineering Excellence and for Safety and Environmental Excellence. His last project was named a DuPont Engineering Top 10 Accomplishment for their Centennial celebration.

His Project manager assignments included responsibility for design, Construction, Start-up, and ongoing operation of the world's first HFC134a

In Plant Seminars have been presented to over 300 clients on every continent except Antarctica.
Clients include companies like:

E.I DuPont
General Foods
Solutia
Exxon Chemicals
Champlin
Air products
Lockheed
Weyerhaeuser
Cargill
Mobil Chemicals
Roche Carolina
Kennecott
Lyondell
Brown & Williamson
Texas Instruments
Maxwell House
3M Europe - Italy
Suncor, Inc. - Alberta
DuPont de Brazil
TIWEST-West - Australia
Monsanto Premier Kasei - Thailand
Al-Jubail Petrochemical - Saudi Arabia

Mallinckrodt
Monsanto
3M Company
Lever Brothers
Hoechst Celanese
Criterion Catalyst
Naval Ordnance Station
Johnson Matthey
BASF
DOW Chemicals
Homestake Mining
Advanced Silicone
Inland Steel
Coca Cola
GB Biosciences
British Petroleum
DuPont - China
Corpoven SA - Venezuela
Mallinckrodt - Ireland
Sasol - South Africa
Methanex - Chile
Albian Sands Energy - Canada

McAfee is a disciple of Tillman's process start-up philosophy and methodology, and his common sense implementation of modern management concepts. After an extensive search for a suitable replacement for Mr. Tillman, PTS selected Mr. Jerry McAfee as course director.

McAfee champions team-based processes and emphasizes the three "P's" – experienced and capable People; early and comprehensive Planning through start-up; and providing the focus, the tools, and the training to Prepare the team for excellence.

McAfee received a Bachelor of Science in Chemical Engineering from the University of Louisville and a Masters of Science in Chemical Engineering from Purdue University. He is a member of the Project Management Institute.

Who Should Attend

The Process Plant Start-Up Seminar was designed for:

- project managers
- production managers
- engineers
- supervisors
- team leaders
- training managers
- operating and craft personnel

who are planning and implementing the start-up of ANY type of plant.

Planning the many diverse steps necessary for a successful start-up requires knowledge, commitment, and effective use of resources.

Poor execution can delay a project for months and increase total cost. Millions in anticipated earnings can be lost in a poor start-up.

Knowing what to do, when to do it, and how to do it is critical in completing a project on time and at or below budget.

The proven methods taught in the **Process Plant Start-Up Seminar** can help a team plan for the expected and unexpected thus ensuring start-up success.

Participants in the **Process Plant Start-Up Seminar** will learn how to improve manpower efficiency, scheduling, precommissioning, commissioning, start-up activities, and much more!

You CANNOT start too soon!
Attend NOW!!!

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Jerry L. McAfee, Course Director

Jerry McAfee began presenting seminars after 35 years in the chemicals manufacturing business. He worked 32 years for DuPont in technology, business, manufacturing, and project managerial positions. He participated in 8 projects with responsibilities ranging from shift engineer to Project manager.

His Project manager assignments included responsibility for design, Construction, Start-up, and ongoing operation of the world's first HFC134a

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General Foods
Solutia
Exxon Chemicals
Champlin
Air products
Lockheed
Weyerhaeuser
Cargill
Mobil Chemicals
Roche Carolina
Kennecott
Lyondell
Brown & Williamson
Texas Instruments
Maxwell House
3M Europe - Italy
Suncor, Inc. - Alberta
DuPont de Brazil
TIWEST-West - Australia
Monsanto Premier Kasei - Thailand
Al-Jubail Petrochemical - Saudi Arabia

Mallinckrodt
Monsanto
3M Company
Lever Brothers
Hoechst Celanese
Criterion Catalyst
Naval Ordnance Station
Johnson Matthey
BASF
DOW Chemicals
Homestake Mining
Advanced Silicone
Inland Steel
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GB Biosciences
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DuPont - China
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