

# PROCESS TECHNICAL SERVICES, INC.

is a

## Technical Services Company

specializing in

Preparation and Execution of:

- Training • Start-Ups
- Precommissioning • Commissioning
- Initial & Ongoing Operations

**PTS also provides professional Consulting Services.**

Making a World of Difference



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.

PTS provides expertise and specialists skilled in the operation of power,

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

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

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

PTS provides efficient and highly capable 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, breakfasts, refreshments, and lunch.

Once the registration form is received in our office 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

- Sept. 20 - 22, 2016
- Feb. 21 - 23, 2017
- May 23 - 25, 2017
- Sept. 19 - 21, 2017

### 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 \_\_\_\_\_

### PROCESS TECHNICAL SERVICES

2615 Calder Avenue, Suite 725  
Beaumont, Texas 77702

Phone: 409.833.5653

www.processtechnicalservices.com

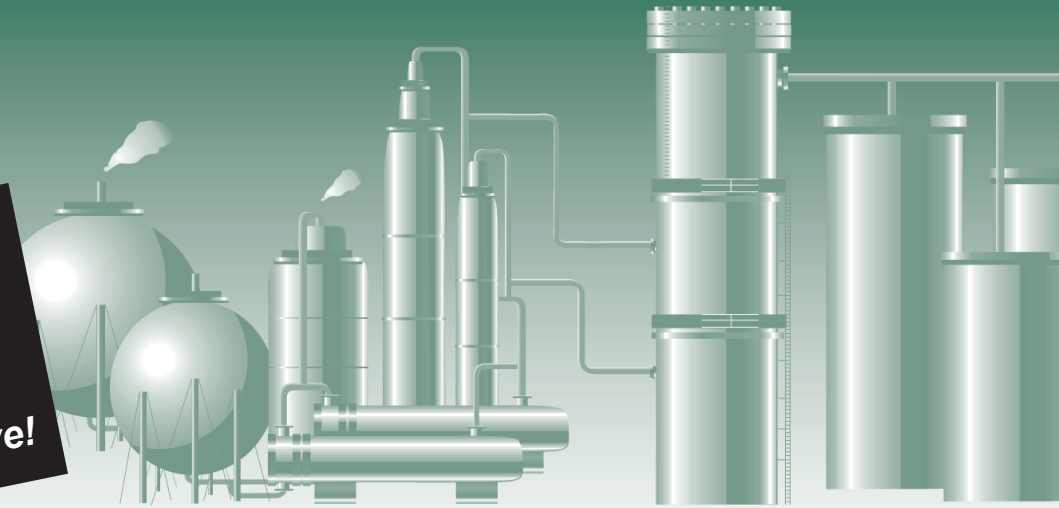
ptsjudyc@swbell.net



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

- Reduce costs
  - Improve schedule
  - Start-up safer and faster
- Over 300 projects have!

Process Technical Services Inc. proudly presents



### THE Seminar for YOUR Project Team

- Effective involvement in design and construction
- Detailed planning for training & commissioning
- Preparation for initial startup
- Staffing requirement & schedules
- Contractor - Owner cooperation
- Employee relations & morale

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

## HOUSTON, TEXAS

September 20 - 22, 2016

February 21 - 23, 2017

May 23 - 25, 2017

September 19 - 21, 2017

# Register Today!

# The World's Leading START - UP SEMINAR

## 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 ANY project

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

The seminar provides attendees a thorough understanding of the task ahead and tools for immediate use.

Knowing what, when and how is critical in completing a project on time and under budget.

Poor execution can delay a project for months and increase costs. Millions of expected earnings can be lost in a poor start-up.

**START-UP EXCELLENCE BEGINS DURING DESIGN;**  
**You CANNOT start too soon!**

# 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.*

Achieving this performance requires experience at all levels. If your company wants to maximize start-up results, but lacks depth of experience, your best option is for our highly experienced instructors to train your team in the proven methods of **Process Plant Start-Up. What is a day of production worth?**

**In the Process Plant Start-Up Seminar, participants learn step-by-step methods for successful start up by people who have actually done it!**

*“The first year in a processing plant's life usually has the greatest impact on project success”*  
McNulty 2003

**Start-Up Problem Sources -**  
Discussion of real-world problem sources.

**Start-Up Planning -**  
What to do, when, how and by whom, with special emphasis on commissioning.

**Minimizing Equipment Problems -**  
Creating a failure-free start-up expectation and prioritizing the team's efforts.

**Managing Design Change -**  
Problems caused by design changes and how to avoid them.

**Start-Up Management -**  
Organizing and coordinating for successful start-up; decision-making; managing expectations.

*“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 Personnel -**  
Experienced-based staffing numbers, supplemental manpower needs and sources; training.

**Start-Up Cost Prediction -**  
Using historical factors to estimate start-up cost.

**Construction Quality/Productivity Assurance -**  
Role of Operations in improving construction quality and productivity.

**Commissioning - the Heart of Start-Up -**  
Meshing Turnover and Commissioning schedules; Sequential system turnovers; Activities and responsibilities.

*“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

**Start-Up Safety -**  
Managing unique start-up hazards; Emergency planning and preparation.

**Employee Relations during Start-Up -**  
Avoiding excessive work hours and family problems; impact on HR policies and union contracts.

**Start-Up Morale -**  
Consequences of low morale, leadership influence.

*“Getting exposure to this information cannot come too soon. There are things you should be doing almost from day 1!”*  
Eddie Dalton, BASF MFG Rep to  
Start Up & Commissioning Manager

## IN-PLANT SEMINARS

The Process Plant Startup Seminar is also provided as an **In-Plant Seminar** customized to meet your project's needs. Afterwards the Course Director leads an in-depth discussion of “problems and concerns” submitted by attendees. This follow-up program helps identify troublesome issues early on so actions can be taken to assure the project meets objectives.

A one-day **Executive Course** is available for executives responsible for major capital project decisions. The course emphasizes successful organization concepts, implementation methods, and resource requirements.

For more information call  
**409.833.5653** or email  
[ptsjudyc@swbell.net](mailto:ptsjudyc@swbell.net)



### 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 commercial facility, a second larger plant using alternative technology, and a new technology “Terathane” plant.

McAfee met Bill Tillman while attending his world renowned Process Plant Startup Seminar. As Project Manager, McAfee subsequently enrolled each of his teams in the seminars. All three projects were

*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

**Thanks Jerry,**  
*I strongly recommend your training for any plant Start-Up, new grass-roots unit or major revamp unit.*  
René Lucena D.  
Planta GNL Bajo Alto  
WorleyParsons Site Manager