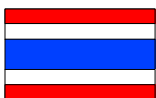
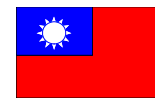
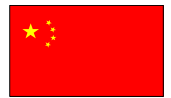
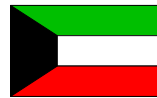
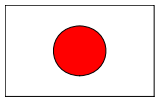
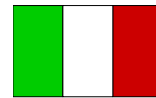
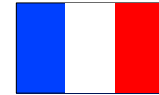
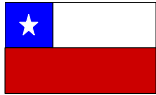


Partial List of International Projects Performed by APTECH





Partial List of International Projects Performed by APTECH

Argentina

Sade Ingenieria Y Construcciones SA

- Environmental Impact Study

Aruba

Baker Petrolite

- Tube Failure Analysis

Coastal Aruba Refining Company

- Risk Based Inspection Study

Australia

Alcoa of Australia Limited

- Consulting Services for On-Line Monitoring System
- Evaluation of Todd Combustion Burners and Negative Boiler Impact from Low NO_x Modification
- Generic Specification for New Oil/Gas Burners in Kwinana and Pinjarra Plants
- High Energy X-Ray Inspections of Insulated Pipelines at Pinjarra and Kwinana Refineries
- Pinjarra Boiler Feed Pump Reliability Study
- Pinjarra Powerhouse Capacity Studies
- Pinjarra Powerhouse Reliability and Risk Modeling
- Pinjarra TubeAlertSM Training
- Reliability UNIRAM Study for Alcoa
- Update TubeM97 Code

Austa Electric Company

- Tarong Unit 1 Superheater Tube Survey
- Tarong Unit 3 Boiler and Piping Examination
- TubeAlert at Swanbank Station B4

Ecogen Energy

- Failure Analysis of Reheater Sample from Newport Power Station

Electricity Supply Board of Australia

- Life Assessment Seminar

Huntsman Chemical Corporation Australia PTY Limited

- Annual Renewal of RDMIP Software
- Inspection Management System for Stationary Equipment
- Management System for Stationary Equipment



Partial List of International Projects Performed by APTECH

- Purchase of RDMIP Software
- Risk Directed Inspection Program Services and Assistance with Development of Huntsman's Mechanical Integrity Program

Pacific Power (Australia)

- Installation and Calibration of TubeAlert System
- TubeAlert System

Queensland Electricity Commission

- Superheater Tubing Exfoliation Study
- Tarong Power Station, Unit 3, Survey

ROAM Consulting Pty Ltd

- Power Plant Cycling Operations and Their Effect on Heat Rate

State Electricity Commission of Victoria

- TubeAlert System Selected Hardware and Software

Brazil

Alcoa Alumina S/A

- Plant Maintenance and Operation Review

Alumar

- Inspection of Boiler 2

Brasoil

- Corrosion of Waterwells at Great Man-Made River Project

Centrais Geradoras Do Sul So Brasil, S.A. Gerasul

- Lacerda III, Unit 5, TubeMod
- TubeAlert Examination of Jorge Lacerda, Unit 5

Electrobras Termonuclear S.A. Electronuclear

- Angra OPCON System

Tractebel Energia

- Re-analysis of TubeMod Installation at Lacerda III, Unit 5

Partial List of International Projects Performed by APTECH

Canada

ATCO Electric Ltd. (Alberta Power Limited)

- Condition Assessment of Superheater and Reheater Headers
- Condition Assessment of Water Cooled Tube Samples
- Cost of Cycling at Sheerness and Battle River Plants
- Evaluation of Long-Term Effects of the Heat Recovery Steam Generator Carryover
- Evaluation of Sheerness 1 and 2 Main Steam and Hot Reheat Piping Systems
- Evaluate Hard Facing Welding Electrodes
- Failure Analysis of Reheater Tube Sample
- Generation Condition Assessment and Cost Forecasting
- HILP Evaluation Support
- Main Steam and Hot Reheat Evaluation at Sheerness I - Phase 1
- Main Steam and Hot Reheat Walkdowns at Battle River Units 3 and 4
- Main Steam Stud Failure Investigation
- MCR Variation Impact Study for Sheerness Units 1 and 2
- Muskeg River DA Tank Evaluation
- Nondestructive Examination of Corrosion-Fatigue of Waterwall Tubing at Battle River
- Phase 1 Evaluation of Battle River Units 3, 4, and 5 Main Steam and Hot Reheat Piping Systems
- Review of Sheerness Flow Accelerated Corrosion Program
- Sheerness Capacity Study
- Root Cause Determination of Unit 5 Main Steam Lead Flange Stud Failure
- Secondary Superheater Hanger Tube Failure Analysis
- Third Party Review of Proposed Turbine Retrofit at Sheerness Generating Station
- TubeAlert Survey at Sheerness 2
- Waterwall Corrosion-Fatigue Testing at Battle River Generating Station

CANDU Owners Group, Inc.

- External Review for Feeder Fitness-for-Service Guidelines

Canspec Group

- Dissimilar Metal Weld Life Assessment
- TubeAlert at Edmonton Power's Clover Bar Plant, Genesee 1 and 2 and TransAlta's Sundance Unit 6 Reheater

Cosyn Technology

- Finite Element Analysis of Material Elbows

Duncan & Craig

- Expert Witness for Turbine Failure



Partial List of International Projects Performed by APTECH

Dynamotive

- Storage Tank Inspection

EPCOR Generation (Edmonton Power Generation, Inc.)

- Clover Bar Unit 1 Outage Support
- Cost of Cycling Estimates for Clover Bar Plant
- Genesee 1 & 2 Reevaluation of TubeAlert Results
- Genesee 1 Reevaluation of TubeAlert Results Using Creep Rupture Test Data
- Genesee Analysis of Canspec Oxide Scale Measurements
- Genesee Remaining Life Calculations
- Inspection and Analyses of Extending Periods Between Planned Outages
- Phases I and II Life Assessment for Clover Bar Unit 1
- Plant Assessment
- Study of Unit Rating at Genesee
- TubeAlert Survey at Clover Bar Units 1 and 2 and Genesee Station, Units 1 and 2

Field & Field

- Heat Recovery Boiler
- Syncrude Coker Unit Fire

Framatome -ANP Canada

- Technical Review of Feeder Pipe Aging Management Program

Husky Oil

- Fitness-for-Service Analysis of Inlet Separator and DEA Flash Drum at Husky Oil, Ram River Gas Plant
- Fitness-for-Service Analysis of the Brazeau Separator
- Technical Support for Brazeau Separator for Ram River Gas Plant

New Brunswick Power Corporation

- Coleson Cove Generating Station Boiler Condition Assessment, Phase 1

Nova Chemicals/Alberta Power (ATCO)

- Review of Water Treatment Specification at the Joffre Cogen Plant

Ontario Hydro Corporation

- BALIFE Analysis of Type IV Steam Piping Weldment

Petrocanada Company

- Bolting Training Sessions
- Fitness for Service of H₂S Absorber Vessel E415

Partial List of International Projects Performed by APTECH

- Fitness for Service on 23-Foot Diameter by 2-1/8 Inch WT Vessel
- Inspection of H₂S Absorber Vessel

RTD Quality Services, Inc.

- Supply of INCOTEST Technician for 3 Different Projects

Sask Power Company

- Oxide and Weld Examination – Poplar River Unit 2
- Superheater Tube Condition Assessment
- TubeAlert Survey of Poplar River 1 and 2

SNC - Lavalin, Inc.

- Assessment of Three Turbine Generators and Ancillary Equipment
- Manitoba Hydro-Selkirk Fuel Conversion Project

Suncor, Inc.

- Boiler Circulation Study and Tube Bank Stress Analysis
- Closeout Piping Audit in Upgrading
- Design Review, Engineering Analysis, and Remaining Life Study of the 790 psig, 425 psig, and 50 psig Steam Lines
- Design Review of Boiler NO_x Modifications
- Emissions Management Studies for Three Existing Foster Wheeler Boilers, Suncor Plant Site, Tar Island, Alberta
- Level II Life Assessment of Vessels 8C-1, 8C-2, and 8C-3 in the Amine Unit
- Life Asset Study — Upgrading/Utilities Facilities Suncor Plant Site - Tar Island, Alberta
- Phase 1 Life Management for Suncor's Foster Wheeler Boilers and Critical Auxiliary Equipment
- Probability of Total Power Blackout to Upgrading
- Process Piping Inspection Audit
- Reliability Evaluation of a Pair of 18Mn-5Cr Generator Retaining Rings
- Reliability and Maintainability Analyses of New Water Treatment Plant
- Reliability and Maintainability Analyses of Plant 37
- Reliability and Maintainability Analyses of Suncor's Millennium Project
- Remaining Life Estimates of Motors 6KM-2A and 6KM-2B
- Remaining Life Evaluation for Three Boilers, Suncor Plant Site, Tar Island, Alberta
- Review Report on NO_x Abatement
- Superheater and Other Main Component Useful Life Review of Boilers 31F.01 and 31F.03 at Tar Island Plant Site
- Top-Down Reliability and Maintainability Analyses of Millennium Project
- Welding Repair Analysis for 5C9 Coker Fractionator During On-Line Service
- Weld Repair Issues on Vessel 5C-9

Partial List of International Projects Performed by APTECH

Syncrude Canada, Ltd.

- Condition Assessment of Three Tubes
- Failure Analysis and Condition Assessment of Secondary Superheater Tube from Boiler 31 -F-202
- Failure Analysis and Examination of Steam Generator Tubes
- Failure Analysis of Steam Generator Tubes
- Metallurgical Evaluation of Waterwall Tube Samples and Corrosion
- Outage Support at Fort McMurray
- Oxide Training
- Phase I of TubeMod
- Reference Materials for TubeAlert System
- Secondary Superheater Section TubeMod Analyses
- Steam Generating Tube
- Superheater Tube Failure
- TubeAlert Survey at Fort McMurray
- TubeAlert System Hardware and Training

TransAlta Utilities Corporation

- EDTA Corrosion Tests
- Evaluation of High Pressure Economizer Tubing from Sarnia
- Evaluation of Main Steam Piping at Wabamun Unit 2
- Evaluation of Sundance Unit 5 Feedwater Valve Indication
- Evaluation of Sundance Unit 6 Main Steam Snubbers
- Evaluation of Wabamun Unit 4 Steam Drum Boat Sample and Waterwall Tubing
- Failure Analysis of Boiler 801 High Pressure Economizer Tube
- Fitness-for-Service Evaluation of the Wabamun Steam Drum Unit 4
- Fitness-for-Service of Steam Drum Downcomer Nozzle at Sundance Unit 1
- Fracture Evaluation
- Hanger Bolt Failure at Wabamun Unit 3
- High Energy Piping Evaluations, Wabamun Generating Station, Unit 3
- High Energy Piping Life Management at Wabamun Plant, Unit 1
- High Energy Piping Strategic Management Plan-Implementation Program
- INCOTEST at Sundance Unit 4
- Keephills Unit 1 Main Steam and Hot Reheat Phase III Evaluation
- Keephills Unit 1 Main Steam and Hot Reheat Piping System Evaluations
- Keephills Unit 2 Cold Reheat Piping Transient Evaluation
- Keephills Unit 2 Main Steam and Hot Reheat Piping System Evaluations, Phases II and III
- Keephills Unit 2 Phase IV Main Steam and Hot Reheat Evaluation
- Keephills 2 Probabilistic Assessment of Reheater Tubing
- Keephills Unit 2 Reheater TubeAlert
- Keephills Unit 2 TubeAlert
- Life Assurance Study for Sundance Unit 5 Main Steam and Hot Reheat Piping Systems

Partial List of International Projects Performed by APTECH

- Life Management of Sundance Generating Plant, Unit 6, Main Steam and Hot Reheat Piping Systems
- Main Steam and Hot Reheat Piping System Phase II/III Evaluation at Sundance Unit 3
- Metallurgical Evaluation of Economizer Inlet Header for Sundance 3
- Metallurgical Evaluation of Sundance Unit 1 Steam Drum
- Metallurgical/Root Cause Evaluation of the Sundance 4 Main Steam Turbine Terminal Point Cracking
- Nondestructive Examination of Wabamun Unit 4 Waterwalls
- Phase III Evaluation of Main Steam Piping at Wabamun Unit 1
- Phase III High Energy Piping Evaluation at Sundance Units 1 and 4 and Wabamun Unit 3
- Piping Support Modifications for Wabamun Unit 4 Main Steam and Hot Reheat Piping Systems
- Reexamination of Keephills Unit 1
- Site Visit to Wabamun
- Sundance Unit 1 Follow-Up TubeAlert Examination
- Sundance Unit 1 Main Steam and Hot Reheat Piping System Evaluations
- Sundance Unit 2 Main Steam and Hot Reheat Phases II and III Evaluations
- Sundance Unit 2 Main Steam, Hot Reheat, and Cold Reheat Piping System Evaluations
- Sundance Unit 2 Main Steam Line High Pressure Loop Rotated Flange Evaluation
- Sundance Unit 2 Main Steam Line Support Requirements for Hydrotest
- Sundance Unit 2 Steam Line Support Requirements for Hydrotest
- Sundance Units 2 and 3 TubeAlert Survey
- Sundance Unit 3 Main Steam Rigging Supports for Hydrostatic Testing
- Sundance Unit 3 Main Steam, Hot Reheat, and Cold Reheat Piping Evaluations
- Sundance Unit 3 Phase 2/3 Main Steam and Hot Reheat High Energy Piping Evaluation
- Sundance Unit 4 Main Steam and Hot Reheat Piping System Evaluations, Phases II and III
- Sundance Unit 4 Main Steam, Hot Reheat, and Cold Reheat Piping System Evaluations
- Sundance Unit 4 Reheater TubeAlert Survey
- Sundance Unit 5 Cold and Hot Walkdowns – Main Steam, Hot Reheat, and Cold Reheat Piping Systems
- Sundance Unit 5 Main Steam Hydrotest Supports
- Sundance Unit 5 Phase IV Evaluation of MS and HRH Piping Systems
- Sundance Unit 6 Main Steam and Hot Reheat Phase III Evaluation
- Sundance Unit 6 Main Steam, Hot Reheat, and Cold Reheat Piping Evaluations
- Supply Steam Flow Controllers
- Technical Support on Sundance Uprate Dispute
- TubeAlert Data Analysis for Sundance Unit 1
- TubeAlert of Superheater and Reheater at Keephills Unit 2
- TubeAlert Surveys at Keephills Units 1 and 2, Sundance Units 1, 2, 3, 4, and 6 and Wabamun Units 2 and 4
- TubeAlert Survey of Superheater and Reheater Sections at Sundance Unit 6 and Keephills Unit 2



Partial List of International Projects Performed by APTECH

- TubeMod Project for Sundance Unit 1 Reheater
- Wabamun Unit 1 Waterwall Examination
- Wabamun Unit 2 High Energy Piping Life Management Program, Phase II
- Wabamun Unit 2 TubeAlert Survey
- Wabamun Unit 2 Waterwall Tube Failure Analysis
- Wabamun Unit 4 INCOTEST Supervision
- Wabamun Unit 4 Main Steam and Hot Reheat System Evaluations
- Water Induction at Keephills Unit 2

WC Wood Company

- Evaluation of Mounting Stud Failures

Chile

ENAEX S.A.

- ENAEX Flange Calculations
- Failure Analysis of Heat Exchanger

Dominican Republic

Smith Enron Cogeneration Limited Partnership

- Main Steam Line Evaluation
- Plant Cycling Cost Study

Egypt

Sidi Kerir Petrochemicals Company (SIDPEC)

- Annual RDMIP License Renewal Fee (License for 7/1/06 - 6/30/07)
- Purchase of RBI Software (SQL Version), Training, and Technical Support

France

Electricite de France

- Life Management Presentation
- Mission to North American Utilities
- Prioritization of Inconel 600 Zones in the Primary System to Pure Water Stress Corrosion Cracking
- Seam-Welded Piping Evaluation — Determination of Consequence of a Pipe Rupture
- Technical Basis and Methods of Section XI of ASME Code

Jeumont Industrie Franc

- Canopy Seal Cracking



Partial List of International Projects Performed by APTECH

Total C.F.P. Paris

- Filmless X-Ray Demonstration

Germany

TUV Energie & Systeme

- Analysis of BWR Stub Tubes

TUV Germany

- ATWS Control in Pressurized Water Reactor and Hydrogen Control in Boiling Water Reactor

TUV Sudddeutschland

- Data Transfer for TUV
- Purchase of RDMIP Software

Greece

Corinth Pipeworks

- Practical Evaluation of Shop Applied FBE vs. Shop Applied 3-Layer Polyethylene Pipe Coating

Public Power Corporation of Greece

- Assistance on Phase I Cost Forecasting for PPCG

Guam

Guam Power Authority

- Failure Analysis of Waterwall Tube Sample

HEI Power Corporation

- Condition Assessment of Superheater Tube

India

Cairn Energy India Party Ltd.

- Corrosion Management Philosophy
- Risk Based Inspection Training
- Weldability Test
- Welding Tests

Nuclear Power Corp. of India Ltd.

- Tube Cutting Tool for Hairpin-Type Steam Generators



Partial List of International Projects Performed by APTECH

US Aid to India

- TubeAlert System

Indonesia

Virginia Indonesia Company

- Analysis of Graphitization of P.T. Badak LNG
- Corrosion of Titanium Heat Exchanger
- Life Extension Program Plan for P.T. Badak LNG

Ireland

Electricity Supply Board of Ireland

- Cost of Cycling at Six Units and Appraisal of Variable Operation and Maintenance Payments
- Cost of Cycling for Irish Electric Supply Board
- Engineering Analysis of the Total Cost of Cycling Fossil Units
- TubeAlert Survey at Moneypoint Unit 3 Reheater

Israel

IKA / Israel Electric Company

- Life Management Seminar
- Quality Assurance for Remanufacturing of Superheater/Reheater Tubes for the Rutenberg Plant
- TubeAlert Study of Israel Electric Company

Italy

CESI

- CESI/EniPower Combined Cycle Cost of Cycling at Ferrera Erboquone
- Seminar on Cycling Costs

Cise Technologie Innovative

- P91 Survey

Flexider Spa

- Phase III — Metallurgical Tests of Samples / Analysis of Data
- Phase V — Inspection / Fact Gathering at Super Octanos
- Phase VI Metallurgical Investigation of Latest Failure of Bellows
- Phase VII Findings/Observations from Walkdown
- Phase VIII - Evaluation of Bellows Integrity

Partial List of International Projects Performed by APTECH

Jamaica

Jamaica Public Service Company, Ltd.

- Waterwall Tube Analysis

Japan

Chiyoda Corporation

- Survey of Incidents

Japan Atomic Industrial Forum, Inc.

- 1998 JAiF International Conference on Water Chemistry in Nuclear Power Plants

Japan Tech Services Corporation

- Assignment of Japanese Engineer (Kajima) in U.S.
- Calculate Hydrogen Injection Using PLR: Drain Flow Ratio of 1:1
- Countermeasures for Securing the Durability to Exposed Surface of Concrete or Other Finishing Materials where No Maintenance is Available
- Earthquake Research and Preparation of Kajima
- General Survey of Nuclear Fuel Processing Plant Operation Experience
- H₂O Chemistry Report to Toshiba
- HWCA Program
- Hydrogen Water Chemistry Consulting to Toshiba
- Kajima Life Extension
- Kajima Phase II Survey of World Nuclear Power Prospects
- Projection of Future Movements/Plans for Reprocessing Plants in France, the United Kingdom, Soviet Union, and United States
- Report on Shroud Cracking in the USA for Toshiba
- Risk Based Inspection Survey
- Survey of Design and Construction Practices in Severe Weather Conditions
- Toshiba Hydrogen Water Chemistry Mini-Test Review
- World Survey of Nuclear Power Prospects

Korea

Daelim Engineering, Ltd.

- Assistance with Bolted Closures — Feed/Effluent Heat Exchanger

Korea Plant Service & Engineering

- OPCON Sale and Training

P.C. Engineering Company (Korea Electric Power Company)

- Boiler Inspection, Korean Electric Power Company, Ulsan, Unit 2
- Condition Assessment of the Kyung-in 2 Boiler



Partial List of International Projects Performed by APTECH

- Condition Assessment of Ulsan Unit 4 and Seoul Unit 5
- Inspection of Samchonpo Unit 1 at Korean Electric Power Company
- KEPCO Poryong 2 Boiler Examination
- Review of Turbine Disk Cracking at Kori Nuclear Units
- Ulsan 6 Boiler Condition Assessment

Samsung General Chemicals Company, Ltd.

- Purchase of RDMIP Software, License, Installation, and Training

SK Corporation (Sunkyong Industries)

- Failure Analysis of Tray from Water Removal Column
- Inspection Program Consulting
- Level 2 Remaining Useful Life Analysis for SK Corporation
- Phase II - Safety Assessment
- Safety Assessment for PTA and CTA Limits

Yukong Limited

- Fitness-for-Service Assessment of NCC Furnace Transfer Line Exchanger (TLX)
- Nozzle Fitness-for-Service Analysis
- Phase I HOU Safety Assessment

Kuwait

Kuwait Oil Tanker Co. S.A.K.

Development and Implementation of Inspection and Maintenance Program at Gas Filling Plant

Mexico

Instituto de Investigaciones Electricas

- Supply TubeAlert System to Mexico

SGS Industrial Services, Inc.

- Third-Party Review at CFE-LV, Laguna Verde, Unit 1, Valve Warranty Dispute
- TECNO-INSPEC
- Analysis of Corrosion
- INCOTEST in Mexico

New Zealand

MPT Matcor

- Stress Analysis of Gas Turbine Disk

Partial List of International Projects Performed by APTECH

Peoples Republic of China

North China International Power Economic & Trade Corporation

- TubeAlert System

Global Advanced Technology

- TubeAlert Software Sale to Taiwan Electric

Thermal Power Research Institute

- TubeAlert System

Portugal

Companhia Portuguesa de Producao de Electricidade, S.A.

- Cost of Cycling of Setubal Power Plant Units 1 - 4
- Cost of Cycling Sines Power Station
- COSTCOM System Hardware and Software
- Risk-Based Workshop in Portugal

Puerto Rico

McConnell & Valdes

- Explosion in San Juan, Puerto Rico - Rio Piedras Explosion
- Homogenizer Pipe Connection Failure
- Investigate Explosion in FCCU Fractionator

Puerto Rico Electric Power Authority

- ALGX Tube Failure
- Boiler Waterwall Corner Tube Failure Analysis, Palo Seco Plant, Boiler 4
- Chemistry Identification on Inside Tube Deposit and Density for Four Samples from Aguirre Plant, Unit 1
- Condition Assessment and RUL of Boiler Components, South Coast, Unit 5
- Condition Assessment of Waterwall Tube Samples
- Corrosion Fatigue Examination of Waterwall Tubes of South Coast Steam Plant, Unit 6
- Evaluation of Four Waterwall Tubes from Palo Seco Steam Plant, Unit 3
- Evaluation of Main Steam, Hot Reheat, and Cold Reheat Support Damage at Aguirre Steam Plant, Unit 2
- Failure Analysis of Gas Recirculation Fan, Palo Seco, Unit 4
- Failure Analysis of Gas Turbine Blade from Aguirre Plant
- Failure Investigation of Waterwall Tubing from South Coast Power Plant, Unit 5
- Investigation of Once-Through Steam Generator Commercial Operation Experience at Los Angeles Sanitation
- Jobo Turbine Gas Plant, Distillate Tank 2
- Kerosene Tank Inspection Jobos Gas Turbine



Partial List of International Projects Performed by APTECH

- Main Steam Piping Analysis, South Coast Power Plant, Unit 6
- Nondestructive Examination of Aguirre Steam Plant, Unit 2
- Palo Seco Boiler 1 Condition Assessment and Remaining Useful Life
- Palo Seco Steam Plant Rear Waterwall Tube Failure Analysis
- Palo Seco Steam Plant, Unit 3, TubeMod Analysis
- Replication of Two Girth Welds at San Juan, Unit 9
- Spinning Reserve Study, Hydro Units, Yauco I and II
- South Coast 3 Condition Assessment
- South Coast 5 and 6 Main Steam Piping System Redesign and Nondestructive Examination
- South Coast 5 and San Juan 8 — Six Piping System Evaluations
- TubeAlert Examination of Furnace and Penthouse Tubes, Phase I TubeMod of the Upper Secondary Superheater at South Coast Power Plant, Unit 6
- TubeMod, Palo Seco, Unit 4
- Waterwall Examination at Palo Seco Steam Plant

Republic of South Africa

Caltex Oil (SA) (PTY) Limited

- Condition Assessment and Remaining Useful Life Analysis of Boiler 69-F-B, Cape Town Refinery
- Purchase of APTECH's Risk Directed Mechanical Integrity Program (RDMIP) Software and Services
- Risk Based Inspection Implementation

Emprotech (Pty) Limited

- Risk Based Inspection Program for Engen Refinery

Engen Refinery

- Conversion of Older RDMIP Database to Version 2.0
- Failure Analysis of Bellows
- INCOTEST Services/Pilot Project
- RBI Consulting
- Refinery Turn Around Management and Consultation
- Risk Based Inspection Training and Support

Eskom

- Additional TubeAlert Hardware
- Matla Station TubeAlert Support
- Oxide Measurement Training
- Provide Shear Wave Probes
- Superheater and Reheater TubeAlert Studies at Matla and Kriel Plants



Partial List of International Projects Performed by APTECH

- TubeMod Feasibility Study for Matla Station
- Waterwall Finite Element Model - Matla Station

Fluor Daniel, Inc.

- Sasol Plant Mechanical Integrity Consulting

Mossgas (Pty) Ltd.

- INCOTEST Services

Sasol Technology

- Damage Mechanism Evaluation for Pitting of Boiler Tubes

Technology Research & Investigation

- TubeAlert System

Romania

Flexider Spa

- Marketing Activities in USA and Venezuela

Russia

Fluor-Daniel-CPC, Ltd.

- Risk Analysis of Caspian Pipeline

Saudi Arabia

Abdel Hadi Abdullah Al-Qahtani & Sons (Representative for Saudi Chevron Phillips and SABIC)

- Development and Implementation of Piping Inspection Program
- Safety, Life Management and Technical Integrity Training

Slovenia

Elektro-Slovenisa, d.o.o.

- Cost of Cycling Multi-Client Report

Spain

Bahia De Bizkaia Electricidad

- Cost of Cycling

IBERDROLA, S.A.

- Cost of Cycling Multi-Client Report



Partial List of International Projects Performed by APTECH

Union Fenosa

- COSTCOM

Taiwan

China General Plastics Corporation

- Oxyhydrochlorination Reactor Vessel Insurance Investigation
- Plant Assistance
- TVCM - Inspection Manual and Implementation Plan

Global Advanced Technology

- TubeAlert Software Sale to Taiwan Electric

Industrial Technology Research Institute

- Mechanical Integrity Training Workshop in Taiwan

Optima Technology and Systems, Inc.

- QRA Short Course for Taiwan IDB

Thailand

Electricity Generating Authority of Thailand

- South Bangkok Unit 4 Rotor Evaluation

United Arab Emirates

Abu Dhabi Gas Industries (Gasco)

- Attend Meeting to Review Remediation of Black Dust Problem on 42-inch Lean Gas Pipeline from Habshan to Ruwais
- Engineering Design Package of Buried RTRP Firewater Piping Network Surge Suppressor System at Habshan's
- Gas Processing Facility
- Integrity Study of Firewater System
- Review and Strategy for Remediation of Black Dust Problem on 42-Inch Lean Gas Pipeline from Habshan to Ruwais
- Risk Assessment of Gasco 12-Inch Pipeline

Cape East Limited

- CTU 1 Adhesion Testing
- Heated Hose Assembly
- Requalification of Cape East



Partial List of International Projects Performed by APTECH

Harvard Technology

- Corrosion Training Course
- Training Course on Metallurgy, Corrosion and Prevention of Failures
- Training Course on Technical Integrity in Refineries and Petrochemical Plants

StonCor Middle East

- Rectify Application Problems for the 20-inch NGL in the UAE
- Rehabilitation Specification for the 20-Inch Natural Gas Line in the UAE

United Kingdom

Beachcroft Stanley & Holman Fenwick

- Examination of Copper Furnace Wall Fragment

Environ Corporation USA

- Risk Assessment Workshop and International Training

Venezuela

Los Inspectores de Venezuela

- API Inspection at Corpoven

Supermetanol, C.A.

- AUBT Inspection Services for Plant Turnaround 2002

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