

Performance Associates International, Inc.

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www.perfnet.com

<i>What we offer:</i>	<i>Industries Served:</i>	
<p><u>Operations:</u></p> <ul style="list-style-type: none"> • Process Plant Operating Manuals • Mobile Equipment Operating Manuals • Training Modules • On-Site Operator Training Instruction • Computer-Based, Multimedia Training • Operations Surveys and Audits • Plant Commissioning and Start-Up • Quality Management and Statistical Process Control • Training Needs Analyses • Start-Up Planning Studies 	<ul style="list-style-type: none"> • Aluminum/Alumina • Cement and Other Non-Metallic Minerals • Coal • Copper and Molybdenum • Industrial Gases • Iron and Steel • Lead and Zinc • Nickel and Cobalt • Other Chemical Processes • Power Generation • Precious Metals • Radioactive and Toxic Waste Treatment 	
<p><u>Maintenance:</u></p> <ul style="list-style-type: none"> • Mine and Plant Preventive Maintenance • Computerized Maintenance Management System • Mine and Plant Maintenance Manuals • Equipment Training Modules • On-Site Maintenance Training Instruction • Surveys and Audits • Systems Implementation and Consulting 	<p><i>World-Wide Experience:</i></p>	
<p><u>Engineering:</u></p> <ul style="list-style-type: none"> • Productive Capacity Studies • Feasibility Studies • Economic Life Analysis • Debottlenecking <p><u>Materials Management:</u></p> <ul style="list-style-type: none"> • Surveys and Audits • Inventory Optimization • Complete Spare Parts Inventory Models • Consulting Assistance • Start-Up Spare Parts Requirement Analyses 	<ul style="list-style-type: none"> • Argentina • Australia • Brazil • Canada • Chile • Colombia • Ghana • Guinea • Indonesia • Ireland • Japan • Mali • Mexico • Mongolia 	<ul style="list-style-type: none"> • New Caledonia • Papua New Guinea • Portugal • Peru • Sierra Leone • South Africa • Spain • Switzerland • Tanzania • Trinidad/Tobago • USA • Venezuela • Zambia

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TECHNICAL, DOCUMENTATION, AND TRAINING EXPERIENCE

- Agglomeration
 - Autoclaves (Pressure Oxidation and Pressure Leaching)
 - Briquetting
 - Bayer Alumina Refining Process
 - Boilers
 - Carbon-in-Pulp/Carbon-in-Leach Gold Recovery
 - Counter Current Decantation
 - Crushing
 - Direct Reduction
 - Electric Furnace Smelting and Slag Cleaning
 - Electrolytic Refining
 - Flotation
 - Fluid Bed Reactors
 - Furnaces (Electric, Induction, Flash, Plasma, and Toxic Waste Treatment)
 - Gravity Separation
 - Grinding (SAG/Ball/Rod Mills, Verti Mills, Air-Swept Mills)
 - Heap Leaching (Gold and Copper)
 - Kilns and Dryers
 - Magnetic Separation
 - Merrill-Crowe Gold Recovery
 - Open Pit Mining
 - Oxygen Production
 - Pelletizing
 - Power Generation
 - Pyrometallurgical Operations and Smelting
 - Reverse Osmosis
 - Roasting
 - Size Classifiers
 - Slurry Pipelines
 - Solvent Extraction and Electrowinning (Copper, Nickel, and Cobalt)
 - Sulfuric Acid Production
 - Turbines
 - Underground Mining
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CLIENT LIST

Albian Sands Energy	Exxon (Monterey Coal Company)	Northwest Gold
Alumina Partners of Jamaica	Fairbanks Gold Mining Inc.	Pangea Minerals Limited
Air Products and Chemicals	FFE Minerals (Fuller)	Pasminco Century
Anglo American Platinum Corporation Ltd.	FMC Corporation	Pegasus Gold Inc.
AngloGold Ashanti	PT Freeport Indonesia	Phelps Dodge
Anglovaal Mining Limited	Glamis Gold, Inc.	Placer Development Limited
Barrick Gold Corporation	Highland Valley Copper	Puerto Rico Marine Management Inc.
Beaver Creek Silver Company Inc.	Homestake Mining Company	Resolute Limited
BHP World Minerals	Inco	Retech Services, Inc.
BHP Copper	Independence Mining	RGC Mineral Sands Inc.
Billiton Minerals	Ingersoll-Rand	RTZ (Rio Tinto Minera S. A.)
CalEnergy Operating Corporation	Inland Steel	Round Mountain Gold Corporation
Cambior	JCI Limited	Santa Fe Pacific Mining Inc.
Canadian Bogosu Resources	Kaiser Aluminum	Servicios Industriales Peñoles SA de CV
Cerro Matoso SA	Kaiser Cement	Shell Canada
Chevron Resources Company	Kennecott Utah Copper	Shell Chile
Cleveland-Cliffs Inc.	Lihir Gold	Sierra Rutile Ltd.
Cominco Alaska Inc.	Lurgi AG	Sociedad Minera Cerro Verde
Compañía Minera Antamina S. A.	Matson Terminals Inc.	Sociedad Contractual Minera El Abra
Compañía Minera Inés de Collahuasi S. A.	Meadow Lake OSB Limited Partnership	SOMINCOR
Consórcio de Alumínio do Maranhão	Mid-Continent Resources Inc.	Sonora Mining Corporation
Copper Range	MSHA	Stillwater Mining Company
Crystallex	Minera Alumbrera Limited	Southern Peru Copper Corporation
CVRD	Minera Escondida Limitada	Suriname Aluminum Company
Cyprus Amax Minerals Company	Minera Hecla SA de CV	Teck-Cominco
Diavik Diamond Mines, Inc.	Minera Los Pelambres	Thai Copper Industries Ltd.
Dragon Mining Sweden AB	Minorco	Tolko Industries Ltd.
The Doe Run Company	National Stone, Sand, and Gravel Association	Voisey's Bay Nickel Company Limited
Electra Northwest Resources Ltd.	Nescor Minerals	Wabush Mines
Electricity Generating Authority of Thailand	Newmont Gold Company	World Bank
		Zambia Consolidated Copper Mines (ZCCM)