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## Appendix 3: Trane Resume's & References of Key Personnel

# Anton B. Mogilevsky, LEED AP

Business Development Manager



## ACCOUNT MANGER

As the Account Manager, Mr. Mogilevsky will manage the business relationship between Tualatin Hills Park and Recreation District and Trane. His job will be to regularly interface with the District, the Trane Project Manager, and other team members to ensure that the District's needs, issues, and concerns are immediately addressed in a satisfactory manner. Mr. Mogilevsky's success in his role is directly measured by the clients' satisfaction with Trane's performance on the project. As a team leader for Tualatin Hills Park and Recreation District; Mr. Mogilevsky will oversee all aspects of the business relationship for this project, and account.

## EDUCATION

BS Aerospace Engineering, University of Florida, 1983  
MS Safety & Health Management, Indiana University, 1986  
Trane 87-11 Graduate Training Class, 1987  
Trane Leadership Management Class, 1990  
Trane Project Engineer/Project Management Course, 1996  
Trane Sales Leadership Development Training, 2002  
Trane Financial Selling to C-Level Professionals, 2007  
Cascadia Region Green Building Council LEED-NC Review Course, 2008

## SPECIFIC QUALIFICATIONS

Graduate engineer with 25 years direct facilities experience in the public and private sector, Mr. Mogilevsky began his career managing in-house facility improvement projects as Safety Engineer (Facilities Engineer) for the US Navy, and has worked on projects of progressively increasing scope and complexity over the past 25 years. He is particularly interested in working with diverse individuals and groups to find and enhance areas of commonality to negotiate successful outcomes. As a Global Account Manager, he has successfully negotiated with clients in China, Costa Rica, Germany, Holland, Ireland, Israel, Italy, S. Korea, Malaysia, Philippines, Taiwan, and Vietnam. Mr. Mogilevsky is a LEED Accredited Professional, and has a passion for sustainability and environmental causes.

## EXPERIENCE

1983-1987, Facility Engineer with Naval Air Systems Command, US Department of Navy  
1987- Present, Trane  
1987-1996 Trane, Jacksonville, FL. Account Manager assigned to the Tallahassee marketplace and responsible for all aspects of account management with the State of Florida, Florida State University, Florida A&M University, Tallahassee Community College, Leon County Government, and other local school districts.



1996-1999 Trane, Portland, OR. Account Manager assigned to Fred Meyer, Intel Corporation, Les Schwab Tire Centers, Bi-Mart, Weyerhaeuser Company and other global and national accounts as well as local contracting and engineering accounts.

1999- Present Trane, Portland, OR. Manger, Global/National Accounts, managing all aspects of the business relationship between Trane and our Global & National Accounts in Oregon and SW Washington.

2007- Present Trane, Portland, OR. Business Development Manager, responsible for developing performance contracting opportunities.

## PROJECTS

Confidential semiconductor manufacturer client:

\$6M design, construction, and maintenance of integrated mechanical, electrical and control systems for critical data center, Hillsboro, OR

\$11M supply of chillers and custom air handlers for a semiconductor manufacturing plant, Ocotillo, AZ

\$4M supply of chillers for a semiconductor manufacturing plant, Kiryat Gat, Israel

\$2M supply of chillers for a semiconductor assembly/test plant, Ho Chi Minh City, Vietnam

\$5.5M supply of chillers for a semiconductor manufacturing plant, Dalian, China

Equinix collocation data center client:

\$4 supply of chillers and integrated controls for critical data center, Chicago, IL

\$10 design and construction of integrated mechanical and electrical system for critical data center, Los Angeles, CA

Evergreen photovoltaic cell manufacturer client: \$5M supply of critical mechanical systems including chillers, custom, and packaged air handling systems, Boston, MA

Many other multi-million dollar projects worldwide

## REFERENCES

James K. Howell, Project Manager, Willamette Educational Services District, (503) 540-4429 – Owner's representative.

Jens Housley, Senior Program/Project Manager, Microsoft Corp., (Formerly Senior Program / Project Manager with Intel Corporation), (425) 457-6538 - Owner.

Michael P. Bick, Purchasing Manager, Numonyx, Inc. (formerly with Intel Corp.), (916) 356-4681 – Owner on several multi-million dollar projects.

Timothy G. Meier, President, IDC Architects (503) 872-4499 – Architect on \$6M design and construction of packaged central plant for a high performance data center.

Craig Hurlbert, President & COO, TAS, Ltd (713) 877-8700 – Sub-consultant and supplier.

## AFFILIATIONS AND PROFESSIONAL MEMBERSHIPS

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)

Columbia Region Healthcare Engineers Association (CRHEA)

Oregon Association of School Business Officials (OASBO)

Oregon Green Schools

Oregon School Facilities Management Association (OSFMA)

Oregon Society for Healthcare Engineering (OSHE)

US Green Building Council

Zero Waste Alliance/Sustainable Oregon Schools - Sponsor

USGBC LEED for Multiple Buildings Committee Member

# Vincent J. Canino

Director of Sales  
Service Solutions, West Territory, Trane US Inc

## RESPONSIBILITIES

Over fifteen years in Energy Industry experience including: Mechanical Design Engineering, Project Management, Operations Management, Sales and Account Management and General Management.

Total value of all projects successfully closed, installed and/or implemented in the past 15 years over \$2 billion in value.

Current duties include direct P&L responsibility for the West Territory Contracting and Service business for Trane Commercial Systems.

10 years experience Integrating Sales and Operations in the development, implementation and execution of cogeneration projects and central plants.

Most recent projects include: Own and Operate Portland District Cooling Company, Own and Operate 1.5MW cogeneration project for Church of Scientology, Development of an Auto Shredder Fluff waste to energy project, completion of 1.5MW cogeneration project using Kawasaki gas turbines

## EDUCATION

Pennsylvania State University of Science in Engineering Mechanics  
State University of NY at Binghamton, Bachelor of Technology in Mechanical Engineering.

## EXPERIENCE

2004 to Present: Director, Service and Solutions, West Territory, Trane US Inc  
2002 to 2004: Vice President/Director of Sales, DG Energy Solutions, LLC  
1989 to 2002: General Electric Company  
2000 to 2002: Director - Sales & Marketing, Energy Rentals & Distributed Power, GE Power Systems  
1999 to 2000: Region Leader, Contractual Services Sales, GE Power Systems  
1997 to 1999: Manager, Business Development, Operation and Maintenance, GE Power Systems  
1993 to 1997: Proposal Manager, GE Power Systems  
1991 to 1993: Field Empowerment, Program Manager, GE Power Systems  
1989 to 1991: Design Engineer, GE Knolls Atomic Power Laboratory

## REFERENCES

Stan Ledbetter, Texas Lutheran University (830) 372-8014 - \$7.2MM PACT  
Central Plant, Distribution Loop, Boilers  
Stan Temptin, St. Helena Hospital, (707) 963-6495 - \$2.8MM Packaged Central Plant  
Central Plant, Distribution Loop  
Mr. Robert Walthers, Industrial Power Technologies, (707) 528-8900 - \$10.3MM Turnkey w/  
guarantees, 1.5 MW gas fired cogen plant



# Neil Maldeis

National Energy Engineering Manager  
Global Services

## RESPONSIBILITIES

Mr. Maldeis is responsible for the technical development, support and review of performance based contracting solutions and activities on a national basis for the Trane.

Mr. Maldeis' responsibilities include identifying, verifying, and approval of energy conservation measures including calculations and guarantees. His post installation activities include participation and training in post audit procedures and monitoring of guarantee results.

Mr. Maldeis has over 25 years of experience as a mechanical/project engineer in the building construction and energy conservation fields. Recent experience with supporting the development of energy conservation/savings programs in wide range of customer environments including commercial, industrial and institutional facilities.

His responsibilities included defining/developing the scope of the energy conservation/savings solutions, determining the engineering content of the solutions, identifying/incorporating customer requirements and analyzing the financial feasibility of the program measures.

Mr. Maldeis' past experience in facility engineering and project management positions included responsibilities ranging from mechanical engineering design for plant facility projects to complete project management on major construction projects. The project's scope included HVAC systems and mechanical systems in the office, lab, data processing, manufacturing, and clean room spaces.

## AREAS OF EXPERTISE

- Performance Contracting
- Project Financing
- HVAC & Central Plant
- Electrical & Lighting Systems
- Cogeneration & CHP
- Utility Supply Side Services
- Demand Side Management
- Building Renovation & Remodel
- Renewable Energy Systems
- Water Conservation
- Wastewater Treatment
- Bio-fuels, Boilers & Generation
- Ice Storage and District Cooling
- Plant Decentralization
- Building Automation
- Fire/Life Safety/CCTV
- Resource Conservation Management



Neil Maldeis

## EDUCATION

Bachelor of Science Mechanical Engineering, University of Minnesota

## AFFILIATIONS AND PROFESSIONAL MEMBERSHIPS

Professional Engineer (License #24081)

Certified Energy Manager (CEM)

Association of Energy Engineers (AEE)

# Stan L. McIntyre

Vice President of Sales & General Manager Operations



## SALES AND OPERATIONS LEAD

As the Sales and Operations Lead, Mr. McIntyre will support the qualified team and provide assistance and direction as needed. His job will be to monitor the project and meet with the client, the Trane Project Manager, and other team members to ensure that the client's needs, issues, and concerns are immediately addressed in a satisfactory manner

## EDUCATION

BS Mechanical Engineering at Oregon Institute of Technology, 1981  
Trane Graduate Training Program, 1986  
Trane Project Engineer/Project Management course, 1 week, 1996  
Trane Sales Leadership Development Training, 6 months, 1994

## SPECIFIC QUALIFICATIONS

Graduate engineer with 25 years direct facilities experience in the public and private sector. In addition, strong experience and understanding of complete construction process, including working with customers to define expectations of each project. Mr. McIntyre has continued to increase responsibility within the HVAC field and has developed skills that allow him to understand the energy savings aspect of larger projects. Mr. McIntyre has developed strong customer and vendor relationships throughout his career and is able to implement dialogue and leadership in any situation.

## EXPERIENCE

2005 to Present: Vice President of Sales, TraneOregon  
Responsible for working with all sales team and provide direction and support for organization. Team with individual sales staff to meet with customers and develop strategies for long term projects.

2003 to 2005: Contracting Team Leader, TraneOregon  
Responsible for teaming with customers to analyze buildings and systems to determine needs. Focus on energy efficiency in upgrades. Responsible for entire project including sales and technical aspects. Work with customer on finance issues, develop relationship with subcontracts, monitor progress, work with project managers and manage customer expectation throughout the life of the project.

1986 to 2002: Account Executive, TraneOregon  
Assigned to number owner direct customers as well as mechanical contractors specializing in selling equipment and systems. Familiarity with construction process and all aspects to complete a project.

1981 to 1986: Mechanical Engineer, Harder Mechanical



## PROJECTS

Seven Feathers Casino-chiller plant installation (\$5M)  
Riverbend Medical Complex-installation VRTX (.5M)  
Blue Cross/Blue Shield-equipment installation (\$1M)  
Sacred Heart Medical Center-equipment installation (\$.8M)

## REFERENCES

Steve Harvey – Harder Mechanical (503) 281-1112 \$500,000 VRTX installation at Riverbend Medical Center  
Byron Courts, Melvin Mark Properties (503) 223-4777 - (2) chiller replacement projects both of them  
qualified for energy rebate dollars through the Energy Trust of Oregon  
Crown Plaza, \$260,600: Installation of a new 400 ton high efficiency chiller  
Bank of Cal, \$297,000: Installation of a new 400 ton high efficiency chiller

## AFFILIATIONS AND PROFESSIONAL MEMBERSHIPS

American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)  
Oregon Energy Trust Trade Ally  
Oregon Society for Healthcare Engineering (OSHE)

# Mike Nopp, P.E.

Project Manager



## PROJECT MANAGER

As the Project Manager, Mr. Nopp will be responsible for executing a successful project for the District. This includes communicating job progress and resolving cost, performance and schedule issues. His role will be to oversee and direct subcontractors hired to perform this work and coordinate work to be self performed by TraneOregon.

## EDUCATION

Professional Engineer, State of Oregon, 1991

BSME, University of Idaho, 1980

Trane Tracer Summit Programming Course, 1 week, 1998

Trane Tracer Summit Installation and Engineering course, 1 week, 1998

Trane Project Engineer/Project Management course, 1 week, 1995

Trane Tracer Advanced Engineering Course, 1 week, 1992

Trane Tracer 100 Installation and Setup course 2 weeks, 1992

Trane Tracer 100 Programming course, 2 weeks, 1991

Johnson Controls Autocad and automated engineering course, 2 weeks 1988

Johnson Controls DSC-8500 programming and engineering course, 2 weeks 1988

Johnson Controls Project Management training course, 2 weeks, 1988

Johnson Controls JC 85/40 programming and engineering course, 2 weeks, 1987

Johnson Controls Pneumatic and DDC factory training course, 8 weeks, 1986

## SPECIFIC QUALIFICATIONS

3 years experience executing and managing Performance Contracts. 3 years experience as Project manager for Mechanical Contractor. 2 years experience as site superintendent for Controls for 3 major Hospitals. 10 years experience in design and installation and management of Controls Projects.

Ability to coordinate and schedule installation and start up of HVAC mechanical systems, equipment and controls. Ability to work very effectively with Owners and Contractors. Experience with pneumatic and DDC control systems from design to implementation. Experience executing multi-discipline Performance Contracting Energy Conservation Measures. Performance Contracting experience includes lighting retro-fits, equipment change-outs (Cooling Towers, Chillers, pumps, AHU's etc.), service items, controls system upgrades and change outs and installation/start up of Variable Frequency Drives, Natural Gas Vaporizers and Trash Compactor Units. Experience with Energy Tax Rebates, Utility Rebates and the Oregon Energy Trust financial incentives program.



## EXPERIENCE

2006 to Current – Project Manager for Controls and Mechanical Projects, TraneOregon  
2005 to 2006 - Site Superintendent overseeing Controls installation for 3 large Hospitals (Legacy Salmon Creek, Vanc. WA; OHSU Patient Care Facility, Portland OR; Providence Newberg, Newberg, OR)  
2003 to 2005 – Performance Contracting Project Engineer for Johnson Controls, Inc  
2000 to 2003 – Project Manager for McDonald-Miller (Design Build Contractor)  
1990 to 2000 – Design Engineer and Project Manager for TraneOregon  
1985 to 1990 – Design Control Engineer and Project Manager for Johnson Controls, Inc

## PROJECTS

2004 to 2005 - Clackamas Red Soils (LEED Gold project) – Mechanical and Electrical Installation, \$5 million Performance Contract  
2003 to 2004 - Wapato School District – Lighting and Mechanical Energy Conservation Measures, \$1 million Performance Contract  
2003 to 2004 - Central Oregon Community Hospital, Redmond, OR, \$900k Performance Contract

### Other Large Projects Managed:

Nike World Campus North Expansion, Beaverton, OR – \$1.2 million Controls Construction Project  
Creative Services Building, Portland OR - \$1.5 million Mechanical Construction Project  
Bank of California, Portland Oregon - \$300k Mechanical change out of Chiller  
Gresham High School, Gresham OR - \$1 million Mechanical Construction Project  
Crossler Middle School, Salem, OR - \$300k Controls new Construction Project  
Grant Pass High School, Grants Pass, OR - \$800k Controls new Construction Project  
1000 Broadway, Portland, OR - \$800k Controls new Construction Project  
Merle West Hospital, Klamath Falls, OR, \$600k Controls new Construction Project  
Lane County Courthouse, Eugene, OR, \$900k Controls upgrade  
Del Norte Prison, Crescent City, CA, \$1.2 million Control new Construction Project

## REFERENCES

Eric Knittel, Facilities Director, St. Charles Medical Center, Bend Oregon, 541-548-8131  
Gary Zellerman, Building Manager, Bank of California, 503-318-5589  
Danny Halsey, Maintenance Supervisor, Albany City Hall, 541-974-6423

## AFFILIATIONS AND PROFESSIONAL MEMBERSHIPS

USGBC LEED Committee Member

# Michael S. Ketcham, LEED AP

Project Developer and Energy Engineer



## PROJECT DEVELOPER

Responsible for developing and reviewing all energy conservation measures (ECMs), determining project costs and project life cycle costs analyses. Responsible for handling all engineering and architectural subcontracts and all resulting work.

## EDUCATION

MS Engineering at University of Colorado, Boulder – Building Systems and Illumination  
Certified Energy Manager (CEM), Distributed Generation Combined Power (DGCP), GeoSource  
Ground-Loop Accredited (IGSHPA)

## SPECIFIC QUALIFICATIONS

Provide engineering and project development to support to internal and external sales teams in identifying, developing, closing and implementing complex turnkey contracts. Develop customer relationships, scope energy and operational alternatives, perform preliminary and detailed energy studies, provide pricing and project proformas, develop and deliver executive level presentations and proposals, manage detailed engineering phase and provide project implementation support as needed to sell and execute successful projects.

## EXPERIENCES AND HIGHLIGHTS INCLUDE:

Specialized competence in building systems design, analysis, measurement and verification, and integration of renewable energy applications and distributed power. Providing efficient design, retrofit and operations / maintenance alternatives that include building systems such as envelopes, lighting, daylighting, HVAC, DDC and pneumatic controls, district heating and cooling plants, geo-source heating and cooling systems, thermal storage, fuel switching, domestic hot water, photovoltaics, wind, cogeneration, biomass and hybrid combustion power generation. Diverse facility experience includes office buildings, academic facilities, military installations, libraries, laboratories, clean rooms, food service operations, high and low-tech industrial sites, manufacturing, hotels and resorts, theaters, recreation centers, arenas, controlled humidity workspaces, hospitals, municipalities, high and low security correctional facilities and many others. Both national and international work experience.

## EXPERIENCE

2003 to Present: Project Developer and Energy Engineer, Americas Services and Contracting, Trane U.S. Inc.

1998 to 2003: Project Developer, Energy Engineer and acting President / Owner of Building Energy Solutions, Inc.

1996 to 1998: Advanced Building Systems Research, National Renewable Energy Laboratory, Department of Energy (DOE)



## PROJECTS

Mid Pacific Institute: Increased Chiller Capacity and Ice Storage: \$1.4 MM  
Shasta College: Five Central Plant Replacements and Two Dorm Mechanical Retrofits \$3.4 MM  
Travis Air-force Base: Hospital Chilled Water Plant Retrofit, Controls \$750 K  
Kings Canyon School District: DX HVAC Replacement, Controls, Envelop Modifications: \$750 K  
St. Helena Hospital: New OSHPD Central Chilled Water Plant, Controls: \$2.7 MM  
Santa Rosa Junior College: 280 kW Reciprocating Cogeneration, Absorbtion Cooling, Controls: \$1.1 MM  
Pacific Union College: New 1.3 MW Turbine Cogeneration System: \$12 MM  
Beafort Marine Air Core Station: Chillers, Boilers, Cogeneration, Ground-Source Heat Pumps,  
Lights: \$10+MM  
Oceana: Chillers, Boilers, Ground-Source Heat Pumps, Lighting: \$10+ MM  
This represents a sampling of projects.

10+ years in the industry providing project development and energy engineering responsibilities.  
Total value of all projects successfully closed in the past 10 years are over \$50 million in value.  
Direct responsibility for building surveys, project qualification, scope preparation, preliminary  
energy studies, detailed energy study project management, subcontractor qualification and project  
implementation support.  
Five years management experience.

## REFERENCES

Dr. Joe Wyse, Shasta College, (530) 242-7525 - \$3.5M replaced 5 central plants with new modern systems  
boilers, chillers, towers, controls  
Tony Costa, Costa Engineering, (707) 252-9177 – Mechanical Engineering subcontractor used on many  
contracting projects

## AFFILIATIONS AND PROFESSIONAL MEMBERSHIPS

Association of Energy Engineers (AEE)  
American Society of Heating, Refrigeration and Air-conditioning Engineers (ASHRAE)  
Illumination Engineering Society of North America (IESNA)  
International Ground Source Heat Pump Association (IGSHPA)