

# TOM RANNA

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## RESUME

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### OBJECTIVE

To develop and implement world class asset management practices and to educate the next generation of manufacturing leaders along the way

### SKILLS & ABILITIES

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Predictive, Preventive, and Inspection Work Selection  
Reliability Centered Maintenance (RCM II)  
Risk Based Work Selection (RBWS)  
Root Cause Failure Analysis (RCFA)  
Work Process Development  
Certified Maintenance & Reliability Professional (SMRP)

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### EXPERIENCE

EXXONMOBIL, BAYTOWN TX.  
Jun'06 – Sept'16

**Reliability Engineering Group Lead** – Responsible for team of Reliability Engineers (RE) serving the Baytown/ MontBelvieu complex (1 refinery, 5 chemical plants - > \$25G replacement value). As group leader, developed dozens of young engineers into high performing manufacturing leaders with expertise in RBWS, RCM, and RCFA. Also served as administrator of the Equipment Strategy (ES) - asset management - work process for the complex. Developed & drove improvements to methods of selecting preventive and predictive maintenance (PM/Pd), operator monitoring, and inspections.

#### Accomplishments included:

- >\$1M annual savings in compressor costs by moving from predominantly time based to condition based overhauls
- Improved compressor reliability as measured by unplanned capacity losses (UCL)
- 10% reduction in maintenance plan costs via zero based-risk justified annual maintenance plan process
- Represented ExxonMobil as the company's Maintenance & Engineering expert in defense of the Sierra Club's CAA federal law suit. Court testimony contributed to the rejection of all plaintiff's claims on Dec. 17, 2014.

EXXONMOBIL, BAYTOWN TX.

Dec'96 – June'06

**Reliability Engineer** – Responsible for developing and implementing reliability practices for four (4) Baytown located Chemical plants. The majority effort was developing RCM based equipment strategies for critical equipment and applying RCM & RBWS to broad populations of generic PMs.

- Served as chair of Exxon Chemical's North American Reliability Eng's network
- As part of a worldwide team, developed RBWS & ES work processes to aid in the ExxonMobil merger transition and improve competitiveness
- Responsible for the implementation of SAP Plant Maintenance at the Baytown Olefins plant (03)
- Responsible for planning & implementing Maintenance reorganization to improve accountability & organizational focus

EXXON CHEMICAL CO, BAYTOWN TX.

Nov'94 – Dec'96

**Turnaround Planning Supervisor** – supervised team of maintenance planners and contract coordinators in successfully planning & executing the largest turnaround (TA) at the time for the Baytown Aromatics business ~ \$50M. The TA came in under budget, on schedule, and won a president's award.

EXXON CHEMICAL CO, MONT BELVIEU TX.

Mar'93 – Nov'94

**Project Engineer** – Wholly responsible for \$4M/yr of local capital project EPC. Reduced backlog of open projects by starting up an in-house construction group and carefully selecting engineering design firms.

EXXON CHEMICAL CO, BAYTOWN TX.

Jan'92 – Mar'93

**TA Cost and Controls Supervisor**

EXXON CHEMICAL CO, BAYTOWN TX.

Jan'89 – Dec'91

**Maintenance Engineer**

EXXON CHEMICAL CO, HOUSTON TX.

Jul'85 – Dec'88

**Financial Analyst**

**EDUCATION**

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FREEMAN SCHOOL OF BUSINESS, TULANE UNIVERSITY,  
NEW ORLEANS, LA.

MASTER OF BUSINESS ADMINISTRATION (MBA)

Graduated May '85, Beta Gamma Sigma Honor Society

VANDERBILT UNIVERSITY, NASHVILLE TN.

BACHELOR OF ENGINEERING - MECHANICAL ENG

Graduated May '83, Cum Laude. Pi Tau Sigma Honor Society

**REFERENCES**

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Available upon request

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