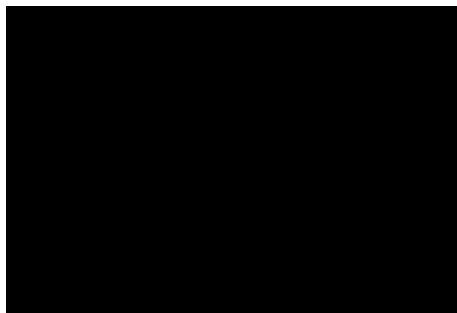


FOMIS – Fossil Operations and Maintenance Information Service

FOMIS Manager: Anthony Hull



Industry Challenges

- **Budget Restrictions**
 - Less money, pressure to reduce costs
- **Reduced Staffing**
 - More responsibilities and less time, limited expertise
- **Need to Maintain Safe Operations**
- **Need to Maintain Environmental Compliance**
 - Reduce and control emissions

FOMIS – What is it?

- **FOMIS is a membership community** that connects power industry peers together in order to multiply the available depth of knowledge and experience
 - The sense of community often remains even if membership expires, with many past members continuing to respond to requests
- **FOMIS membership consists of over 2,400 professionals with expertise in Operations & Maintenance, Engineering, Environmental, Human Resources, Plant Management, Safety, Turbines, and much more...**

FOMIS – How can it help?

- **Access expertise to resolve routine and emergency issues**
- **Equipment and service recommendations and reviews**
- **Sharing best practices**
 - Conferences, Benchmarking Sessions, website requests
- **Reduce/prevent limited operations and forced outages**
- **Insurance, peace of mind**

FOMIS – Who uses it?

- Over 40 utilities, 100 plants
- Participation from over 24 utilities, 60 plants outside of membership
- Plants in Australia, Ireland, Israel, Mexico, Portugal, Saudi Arabia, and Spain



Current Members

- AGL
- Alliant
- AECI
- Austin Energy
- CSU
- Dairyland Power
- Deseret Power
- EKPC
- ESB
- GRU
- HECO
- IPSC
- IEC
- KCP&L
- KU
- Lakeland Electric
- Minnesota Power
- NPPD
- NIPSCO
- Nova Scotia Power
- NRG
- OG&E
- OPPD
- OUC
- OMU
- PRPA
- PGE
- PowerSouth
- SRP
- SaskPower
- SEC
- Seminole Electric
- Springfield City Utilities
- Sunflower Electric
- Tri-State G&T
- TEP
- WPSC
- Xcel

FOMIS – Benefits Summary

Production

- Reduce outages and de-rates
- Avoid undesirable situations

Operational Excellence

- Best practices
- Lessons learned

Planning


- Vendor & equipment reviews
- Parts

Networking

- Conferences
- Knowledge multiplication

www.fomis.com

FOMIS – Old Home Page



Expert support for high-performance results

Click here
for help with this page

Home | My FOMIS | Recent Activity | Buddy Central | Suppliers | Profile | Factoids | Watch List | Admin

My Activities | My Buddies | My Location | My Company | FOMIS Requests

Quick Search

Submit a Request

Respond to Requests

Create Message

FOMIS Alerts

Requests

Responses

Searches

Messages

FOMIS Resources

FOMIS Connection

User Value Statistics

Safety/Technical Reports

Plant Equipment Database

Event Summaries

Industry Abbreviations

Lessons Learned

Lessons Learned & Best Practices Training (Power Point)

Upcoming Events

No Events Currently Scheduled

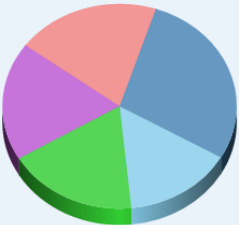
< October 2016 >

S	M	T	W	T	F	S
25	26	27	28	29	30	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	1	2	3	4	5

Recent Requests

Request #	Subject	Description	Station/Company
F16-10-017	Environmental	ESP Cleaning Methods Without Water	Corporate Office - Generation Division / Israel Electric Corp
F16-10-016	Valve	Emergency Parts Needed - Crosby Safety Valve	Poplar River / SaskPower
F16-10-015	Fan	VFD/VSD Reliability and Maintenance Issues	Stanton Energy Center / Orlando Utilities Commission
F16-10-014	Boiler	Steam Generator Safety Valve Silencer Maintenance	McIntosh Station / Lakeland Electric
F16-10-013	Ash Handling	Dry Ash Silo Cleaning	Boswell Station / Minnesota Power
F16-10-012	Human Resources	Pay Scale for 36 and 44/48 Hour Work Weeks	Harrington Station / Xcel Energy
F16-10-011	Chemistry	Use of Nalco BLR-3715 in Lime Systems	Hayden Station / Xcel Energy
F16-10-010	Turbine Generator	Legacy Westinghouse Tach Generator Issue	Rifle Generating Station / Tri-State Generation & Transmission Assoc. Inc.
F16-10-009	Parts Needed	Urgent Parts Needed - Steam Turbine Control Valve Hydraulic Actuator	Craig Station / Tri-State Generation & Transmission Assoc. Inc.
F16-10-008	Safety	Everyday Wear Uniform Programs and Winter Wear	Alma/Madgett / Dairyland Power Cooperative
F16-10-007	Parts Needed	Urgent Part Needed - Replacement Generator Step-up Transformer	McIntosh Station / Lakeland Electric
F16-10-006	Parts Needed	Urgent Parts Needed - Main Step Up Transformer Bushings	Boswell Station / Minnesota Power
F16-10-005	Chemistry	Chemistry Staffing Levels for Wet or Dual Alkali Scrubbers	Nixon Plant / Colorado Springs Utilities
F16-10-004	Drive/Drive Coupling	Zurn Ameriflex BFP Coupling Replacement	Intermountain Station / Intermountain Power Service Corp.
F16-10-003	Engineering	Engineering Staffing Questions	La Cygne Plant / Kansas City Power & Light
F16-10-002	Operations	Opposed Wall Fired Flame Scanners	Homer City Station / NRG Energy Inc
F16-10-001	Operations	Coal to Natural Gas Fired Conversion Ramp Rate and Min. Generation Changes	Elmer Smith Station / Owensboro Municipal Utilities
F16-09-009	Parts Needed	Emergency Part Needed- 3 Phase Power Transformer	Navajo Station / Salt River Project
F16-09-008	Stack	Stack Inspections and Service Providers	Weston Station / Wisconsin Public Service Corporation
F16-09-007	Parts Needed	Urgent Parts Needed - GE 7B Bearing and Lower Housing	Valmont Plant / Xcel Energy
F16-09-006	Training	Apprenticeship Program Technical Writers	Nixon Plant / Colorado Springs Utilities
F16-09-005	Chemistry	GE Pro EDI Unit Issues	Boswell Station / Minnesota Power
F16-09-004	Motor	Emergency Part Needed - Journal Bearing	Poplar River / SaskPower
F16-09-003	Air Heater	Water Wash Alternatives for Air Heater Cleaning	Valparaiso Electric Production / Northern Indiana Public Service Company
F16-09-002	Boiler	Detecting Boiler Tube Leaks	Navajo Station / Salt River Project
F16-09-001	Flue Gas Desulfurization	FGD Foaming Issue	Boswell Station / Minnesota Power

FOMIS Most Active Subjects
(Requests and Searches)




FOMIS Resource Center

Search





Advanced Search

FOMIS Spotlight



As this event has concluded, presentations are now available on the website!

FOMIS Partners



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FOMIS – New Home Page

Home

Submit Request

View Requests

View Responses

My Requests

My Responses

Company Requests

Company Responses


FOMIS Resources

- Incident Reports
- Technical Articles
- Lessons Learned

Upcoming Events

FOMIS Conferences

FOMIS Partners



BAT

TPL

http://newfomis-dev.scientech.com/Home/index

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FOMIS - Home Page


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FOMIS

Anthony Hull


Landing FOMIS Staff Contact Us Administrative



Don't get so hung up on the pictures



This is just an idea for the home page



Really this could be anything...

How FOMIS Can Help You

FOMIS is a membership community that connects electry power experts.

FOMIS can save hundreds of thousands of dollars in downtime or replacement generation costs by providing you immediate solutions to O&M problems and helping you find parts, equipment and services quickly. We also offer conferences to help you stay abreast of the latest issues and solutions. We give members quick and easy access to consantly-updated database of reports on just about any topic related to the industry. Our members receive 24/7 support from out team of experienced power station engineers that make sure you always get everything you need. Finally, our average member has been with us over eleven years - a testament to the value FOMIS provides.

Other Services:

RAPID

LABSTATS

EQDB

OVALPATH

FOMIS User Testimonials:

Reduce Downtime & Outages

FOMIS provides personalized service that lets members find relevant solutions that reduce downtime, prevent costly outages, and save money on parts and equipment.

Expertise to Resolve Issues

FOMIS provides personalized service that lets members connect with a network of experienced experts who can answer O&M questions and solve urgent issues quickly.

Equipment & Service Advice

FOMIS provides personalized service that lets members receive peer recommendations and references on selecting equipment, parts and services.

Text-searchable Database

FOMIS provides personalized service that lets members easily access a text-searchable database of reports that provide quick solutions to problems.

http://newfomis-dev.scientech.com/Home/index

es & Best Practices

9 | February 6, 2017 | © Curtiss-Wright

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FOMIS – Old Request Process

http://www.fomis.com/QuestionWizard.aspx | Sciencetech, LLC. - FOMIS | St... | FOMIS - Home Page

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FOMIS
Expert support for high-performance results

☐ Client ☐ General Information ☒ Request Details ☐ Related Reports ☐ Additional Details ☐ Review & Submit

[Show Original Question](#)

Request Details (Step 3 of 6)

Original Request:

Detail After Line Number 1 Answer Type: Text

Line Item Text:

Note: This Question will be automatically saved when you enter the first line item.

CURTISS-WRIGHT
Flow Control Company
SCIENTECH
9399 US Highway 19 North, Suite 320
Clearwater, FL 33761 USA
Phone: 727.669.3100
800.637.2743
E-mail: fomis@curtisswright.com

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FOMIS – New Request Process

Browser address bar: <http://newfomis-dev.scientech.com/Request/CreateTempRequest>

Page Title: FOMIS - Index

Navigation Bar: File Edit View Favorites Tools Help

Top Bar: New FOMIS FOMIS Contact Manager Report Manager Login JAMIS Software Corporati... Scientech CRM RAPID Concur TMS CW IT CW File Share Innovation myCWBenefits Quality Campus Online - ... ADP

FOMIS

Anthony Hull

Landing FOMIS Staff Contact Us Administrative

Company Responses

FOMIS Resources

- Incident Reports
- Technical Articles
- Lessons Learned

Upcoming Events

FOMIS Conferences

FOMIS Partners

RAT

TPL

Applies To: All

Discipline: please select one required

Subject Matter Experts:

<input type="checkbox"/> ACI	<input type="checkbox"/> Admin	<input type="checkbox"/> Ash Handling
<input type="checkbox"/> Baghouse	<input type="checkbox"/> Boiler	<input type="checkbox"/> Chemistry
<input type="checkbox"/> Coal Yard	<input type="checkbox"/> DCS	<input type="checkbox"/> Dry Scrubber
<input type="checkbox"/> DSI	<input type="checkbox"/> Electrical	<input type="checkbox"/> Engineering
<input type="checkbox"/> Environmental	<input type="checkbox"/> FGD	<input type="checkbox"/> Fuel Management
<input type="checkbox"/> Generator	<input type="checkbox"/> GT	<input type="checkbox"/> GT Maintenance
<input type="checkbox"/> HR	<input type="checkbox"/> HRSG	<input type="checkbox"/> I&C
<input type="checkbox"/> IT	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Ops
<input type="checkbox"/> Plant Management	<input type="checkbox"/> Safety	<input type="checkbox"/> SCR
<input type="checkbox"/> Security	<input type="checkbox"/> SNCR	<input type="checkbox"/> Stores
<input type="checkbox"/> Training	<input type="checkbox"/> Turbine	<input type="checkbox"/> Wastewater
<input type="checkbox"/> Wet Scrubber		

Request Detail:

Request Line Items

Please enter line item content here

Add Child

B I U S A A - | -E -E ”

Please enter line item content here

FOMIS – New Response Process

The screenshot displays the FOMIS web application interface. The browser address bar shows the URL: <http://newfomis-dev.scientech.com/Search/myfomisresults?set=myrequest>. The page title is "FOMIS - My FOMIS Results". The left sidebar contains navigation links: Home, Submit Request, View Requests, View Responses, My Requests (selected), My Responses, Company Requests, Company Responses, FOMIS Resources (Incident Reports, Technical Articles, Lessons Learned), Upcoming Events, FOMIS Conferences, and FOMIS Partners. The main content area shows a "My Requests" tab with a table of requests. The selected request is "F16-10-007" with the subject "Administration" and item "Smart Lights". The request details are displayed in a modal window.

Request Details:

- Date: 10/25/2016 3:05:00 PM
- FOMIS Contact: Anthony Hull
- Plant / Company: Confidential
- Phone: Confidential
- Subject: Administration
- Item: "Smart" Lights
- Description: Test Request Confidential
- Report: 27307
- Request: [F16-10-007](#)

Request Detail:

My super cool test request information

A. Whats the question? Who knows. Lets try colors.

1. Please enter line item content here
2. Please enter line item content here
3. The order of entry is off.
4. So many children...
5. Working so far.

<C:\Users\ahull\Desktop\FOMIS\Requests\Loy Yanq HAZMIG.pdf>

RELATED REPORTS - FOMIS research revealed that there were no related reports.

[Update Response](#) [Upload Response Files](#)

Response Detail:

Clearwater, FL - Scientech

Level 1 No Response

A. answers

1. some more answers
2. Answers in bold and color!
- 3.
4. Yes So many...
- 5.

Contact: Anthony Hull, FOMIS Client Manager
Phone: (727)669-3045 Email: ahull@curtisswright.com

FOMIS – New User Profiles

The screenshot displays the FOMIS web application interface. The browser address bar shows the URL <http://newfomis-dev.scientech.com/Manage/Profile>. The page header includes the FOMIS logo and the user name Anthony Hull. The main navigation bar contains links for Landing, FOMIS Staff, Contact Us, and Administrative. The left sidebar menu lists various options including Home, Submit Request, View Requests, View Responses, My Requests, My Responses, Company Requests, Company Responses, FOMIS Resources, Upcoming Events, FOMIS Conferences, and FOMIS Partners. The main content area is titled 'Profile' and features two tabs: 'General' and 'Subject Matter'. The 'Subject Matter' tab is active, displaying a list of checkboxes for selecting areas of interest. The list includes: ACI, Admin, Ash Handling, Baghouse, Boiler, Chemistry, Coal Yard, DCS, Dry Scrubber, DSI, Electrical, Engineering, Environmental, FGD, Fuel Management, Generator, GT, GT Maintenance, HR, HRSG, I&C, IT, Maintenance, Ops, Plant Management, Safety, SCR, Security, SNCR, Stores, Training, Turbine, Wastewater, and Wet Scrubber.

http://newfomis-dev.scientech.com/Manage/Profile

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FOMIS Anthony Hull

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FOMIS Partners

Profile

General **Subject Matter**

Please select the areas you would like to be contacted for.

- ☐ ACI
- ☐ Admin
- ☐ Ash Handling
- ☐ Baghouse
- ☐ Boiler
- ☐ Chemistry
- ☐ Coal Yard
- ☐ DCS
- ☐ Dry Scrubber
- ☐ DSI
- ☐ Electrical
- ☐ Engineering
- ☐ Environmental
- ☐ FGD
- ☐ Fuel Management
- ☐ Generator
- ☐ GT
- ☐ GT Maintenance
- ☐ HR
- ☐ HRSG
- ☐ I&C
- ☐ IT
- ☐ Maintenance
- ☐ Ops
- ☐ Plant Management
- ☐ Safety
- ☐ SCR
- ☐ Security
- ☐ SNCR
- ☐ Stores
- ☐ Training
- ☐ Turbine
- ☐ Wastewater
- ☐ Wet Scrubber

Questions?

***CURTISS -
WRIGHT***

Anthony Hull

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Email ahull@curtisswright.com

www.fomis.com