

KAP TOURS FPA-E 17TH STREET CANAL PERMANENT CANAL CLOSURE PUMP STATION

KAP Professional Solutions Newsletter



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Meeting the Mission at FPA-E

by Doug Kibler

KAP Project Services began a journey with the New Orleans Flood Protection Authority -East (FPA-E) at the beginning of 2019 to aid in improving capital project visibility across all jurisdictions.

With over \$14.5 billion dollars in flood protection assets, the continual requirement of capital projects to maintain assets is a certainty. Understanding the mission and vision was critical to the functional solution design for the organization's capital project management platform.

About FPA-E's Mission

The Flood Protection Authority – East is a primary adverse weather defense for the City of New Orleans. Its mission is to ensure the physical and operational integrity of the regional flood risk management system in southeastern Louisiana as a defense against floods and storm surge from hurricanes.

After Hurricane Katrina, the U.S. Army Corps of Engineers constructed the \$14.5 billion Hurricane and Storm Damage Risk Reduction System (HSDRRS). It is one of the most technically advanced coastal flood protection systems in the world. Together, this system of barriers, sector gates, floodwalls, floodgates and levees provide a veritable

"wall" around East Jefferson (EJLD), Orleans (OLD) and St. Bernard Parishes (LBBLD).

Improving Project Management

FPA-E Chief Administrative Officer, Derek Boese, desired a solution providing improved portfolio and project visibility and collaboration to establish a solid foundation for improved decision making.

Ryan Foster, Lead Engineer and Project Management, stated the solution would need to provide for visibility into large capital projects which were often outsourced to qualified vendors

The solution would need to provide for Key Performance Indicators (KPIs) to provide real-time insights for project performance.

The Outcome

As a result, over \$20 million in approved capital projects annually are now visible to all organizational stakeholders through a single portfolio and project management system, Primavera P6 Enterprise Project Portfolio Management (EPPM). The implementation approach is described on page 2.



FPA-E P6 Implementation

KAP's Training Division Director, Sonya Stewart, delivers P6 Administrator Training to Flood Protection Authority Personnel. Other courses included Basic Training and Portfolio Management Training.

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Kammerer inspects FPA-E Assets

A tour of the Seabrook Complex Structure for KAP's CEO Scott Kammerer provided insight to the complexity of the equipment assets required to keep the City of New Orleans safe.

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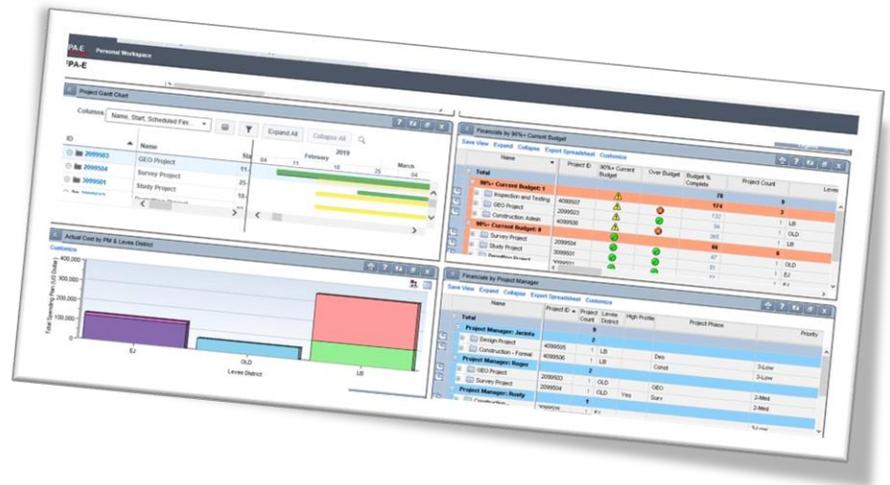
P6 at FPA-E

by Doug Kibler

The Primavera P6 Enterprise Project Portfolio Management (EPPM) platform is the workhorse of the Oracle Primavera solutions. It provides for the building of traditional schedules as well as provide a fully integrated web module. This module of Primavera P6 Enterprise Project Portfolio Management is a user-friendly web-based solution for managing projects, project portfolios and resources and displaying key performance indicators.

KAP's project team was led by Sonya Stewart who has certified as a professional implementation consultant as well as P6 trainer. She initiated the project with a kick-off meeting with all stakeholders discussing the project purpose, approach, and levels of involvement by the FPA-E team. An implementation schedule was built which communicated the implementation approach, activities, order of execution logic, and resources.

Stewart then led a facilitated session to document functional design requirements to meet the project management objectives of the team. Upon implementation of the



Primavera EPPM software on the Loadspring Cloud environment, configuration of the solution began. "KAP employed a modified implementation schedule to accommodate availability of the FPA-E team which was driven by a hurricane combined with high river conditions" stated Stewart. Despite the challenges the team stepped forward to support configuration and testing of the solution.

Training was developed with the adult-learner and organizational policies and procedures in mind. Classes were developed and delivered covering Basic Primavera, Portfolio Management with Primavera, and

Primavera Administration.

Project status communication has changed for the better across the organization with Primavera EPPM being the 'single source of truth' stated CAO Derek Boese.

FIND OUT MORE

You can find out more on how KAP Professional Solutions P6 Consultants can help your organization by contacting us using the contact information below.

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Primavera schedules are the backbone of STO Event and Capital Project communications required for efficient execution of planned work scope.

P6 Professional Solutions

by Blake Powell, Director, Sales and Marketing

KAP Professional Solutions consultants have extensive experience in helping clients gain the most value from their Primavera investment. Our value-based solution products are customizable to your specific requirements and address key industry pains.

Key offerings include:

➤ Primavera Health Check / Engineering Study

Sometimes your system stops performing optimally or providing quality outputs. Causes can include personnel, data quality, or system configuration. KAP can provide the clarity support you require to gain maximum value from your investment.

➤ Primavera Implementation or Upgrade

Implementing Primavera for the first time? Or having difficulty producing the quality portfolio, program, or project management products and schedules you require? KAP Professional Services supports toolset selection and implementation. We implement your solution technically, functionally, and organizationally with a focus on assimilation into your culture.

➤ Primavera Training

Primavera training, developed by KAP, provides you with ongoing asset supporting operations, assisting in optimizing your return-on-investment.

FPA-E ASSETS



Variable Speed Controls

FPA-E Pump Stations employ state-of-the-art variable speed control centers to optimize the use of high-volume pumps to keep New Orleans dry.



Caterpillar Diesel Engines

The 17th Street Canal PPCP (15) 2.6MW Generators which provide the power to run the (6) 1,800 CFS and (2) 900 CFS pumps moving water from the City of New Orleans to Lake Pontchartrain.

FAST FACTS

69%

Organizations recognized financial improvement in maintenance of assets when formalizing Asset Management.

42%

Percentage of organizations that experience improvements in asset reliability as a result of formally addressing Asset Management.

FOR MORE INFORMATION

Contact information is provided below for more information.

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Scott Kammerer, KAP CEO, takes a tour of the 17th Street Permanent Canal Closure Pump Station Pump Room by an FPA-E Maintenance Professional. The pumps down are 1800 CFS.

The Case for Asset Management

by Doug Kibler, Director, Professional Solutions

One of the first questions an organization may ask is 'Why does Asset Management matter to us?' It is a good question and one that must be explored before moving forward with a program for your facility.

The Institute of Asset Management (IAM) has published Asset Management – an anatomy¹ which provides a good synopsis of benefits which can be realized. Asset Management is about extracting value to meet the business objectives more than what you do to assets.

Can we Manage our Assets More Effectively?

This is a question being answered at FPA-E with the support of KAP Professional Solutions.

As an industry, organizations may experience negative trends in cost effectiveness, experience work delays across departments driving frustration and missed opportunities. Normal decision-making may not consider risk management with inconsistencies in approaches to safety, environmental, management, and asset reliability performance.

Some companies may experience culture fragmentation with departments having disparate agendas creating conflict and demotivation. There are too many surprises and incidents requiring tactical 'fire-fighting'

despite increases in levels of asset investment.

Organizations may have no clear strategy to address gaps between what is needed in asset performance both tactically and strategically. Teams may experience a lack of or inconsistency in long-term investment plans and business justification for which projects should move forward and with what urgency. Other indicators such as asset aging and technology obsolescence may spark a need in re-investment but no process for evaluating which investments are urgent or most important. Finally, often there is no single, correct source of information about what assets actually exist, in what condition, providing what function, and where. Data is fragmented, out of date, and/or not trusted.

Benefits of Asset Management

Asset Management for many will be the next frontier in value creation and risk reduction. Each company must understand where they are to determine its own business case and management imperatives.

The benefits can include, but are not limited to, the following:

- Improved financial performance;
- Informed asset investment decisions;
- Managed risk;
- Improved services and outputs;
- Demonstrated social responsibility;



¹ Asset Management – an anatomy, The Institute of Asset Management, Version 3, December 2016

- Demonstrated compliance;
- Enhanced reputation;
- Improved organizational sustainability; and,
- Improved efficiency and effectiveness.

The Business Case for Asset Management

The traditional business case for asset management has typically focuses on cost savings through reduced operational and maintenance costs, along with improved productivity through increased reliability and availability as discussed above. There are many other potential elements in the business case which may prove equally or more important to your organization:

- Effective management of value, risk, and liability. Good governance, and good understanding and control of assets will improve stakeholder confidence;
- Effective asset management improves both personal safety and process safety, reducing the risk of injury and catastrophic events;
- Asset contribute to the reputation and image of the organization;
- Improved understanding of asset performance through improved data and analytics can improve decision making and asset reliability;
- The management of outsourced services is more effective when asset management is in place;
- Safety, health, and security programs require current asset knowledge.



Employee Spotlight on Sonya Stewart

by Blake Powell, Director, Sales and Marketing

Sonya began her career at KAP as our Director of Training a little more than a year ago and has made a large impact! She came to us with extensive experience in Primavera Implementations, Training Development and Delivery, and support with leading software integration solutions.

While her main focus is building our Training Department she has led a complex Primavera Implementation for the Flood Protection Authority – East in New Orleans, developed and delivered internal Scheduler Training, supported our internal Primavera implementation, and leading an effort to upgrade training across the Exelon Nuclear companies' 13 nuclear power stations.



Sonya loves to travel from the vineyards of California to the Atlantic and Gulf of Mexico Beaches. She has also been known to enjoy camping with friends and family.



Sonya will also build the training and assist in defining the implementation methodology for STOlogix, a KAP Family of Companies organization.

When she is not working (which is seldom), Sonya enjoys spending time with lifelong and new friends at the beach, camping in the woods (5-star cabin only), and visiting family and friends.

Sales and Marketing

by Blake Powell, Director, Sales and Marketing

One of the best business books I have read this year has been *Good to Great* by Jim Collins. You might have read a few references to this book in various business publications such as INC magazine describing how companies achieve greatness. The underlying message is that great companies hire the *right* people and execute the mission and vision by thinking and acting in a disciplined manner.

It is clear that we have the *right* people. 2020 will focus on the disciplined execution of our sales and marketing strategies to continue to drive KAP in becoming a great best-place-to-work company.

A key component is YOU – the KAP employee. We continue to rely on employees to market KAP and its Family of Companies' value to clients and other business contacts in support of the sales team.

We will be working to improve the sales and marketing training for all as well as providing "press packs" to assist you in these efforts. Future issues will provide information on our Professional Solutions and how they can support our customers.

Remember – KAP is an organization where every employee is in the Marketing Department. Please communicate to your respective Account Manager or Sales Team any opportunities that you see on the horizon!

Thank you for all your support in 2019!

2020 Tradeshow Plans

We continue to bring our value to clients by participating in conferences and tradeshows across the country. This last year we participated in Power-Gen, American Nuclear Society, Petrochem, and others. It provides opportunities for attendees to see the value we bring to industry and learn how it can help their organizations.

Our plans for 2020 is to support these shows and expand into others to include The Connected Plant.

They also provide a unique opportunity for us to hear from industry experts and be

challenged in solving some of our customers greatest challenges.

We continue to stretch our vision with new technologies to include Drones, Robots such as those used in the Fukushima Response, and partnering with forward thinking companies like Mobideo, Loadspring, and BCP Engineers. This ensures we continue to be forward-thinking in our approach to serving our customer base.

Value-Based Selling

At KAP, our approach is solution selling – solving customers problems and treating them as members of the KAP family. Customer problems may make themselves visible such as Primavera system failures, inability to get consistent reports, missing major milestones in preparing for the turnaround, and issues with maintaining scope.

If you need support in validating a customer problem or issue and designing a solution, please do not hesitate to reach out to bpowell@kap.us.com.

KAP FAMILY OF COMPANIES



KAP Project Services Ltd.

www.kaprojectservices.com

In 2005, KAP Project Services was launched with one simple goal – to be the best project controls company in the business. That goal has not changed. We challenge ourselves every day to reach higher, work harder, learn more and to push the status quo in every direction.



STologix

www.stologix.com

STOplanner provides a powerful planning platform enabling visibility, communication, and collaboration with an immediate positive Return-on-Investment.



Tactex

www.tactex.com

Tactex solutions are focused on improving STO work execution problems by providing people, processes and technology designed to give better communication, confidence in status updates, remove biased reporting, and protect the investment in planning and scheduling.

Validating Readiness

by Doug Kibler, Director, Professional Solutions

Building an organization begins with listening to our customers and seeking to continually solve organizational challenges they face every day. We extend this to also include the extensive team of professionals filling critical customer roles such as turnaround coordinators, job planners, estimators, schedulers, and procurement to name a few.

Stepping back and evaluating common challenges and designing professional solutions was the critical first step and the direction of KAPs CEO, Scott Kammerer. Challenges that tended to repeat themselves covered all phases in both the Shutdown, Turnaround, Outage (STO) events as well as Capital Projects.

One of the most important things we can do for clients is assist in improving the confidence their STO event and or capital project can be implemented. An initial offering was developed to ensure organizations are ready to proceed and appropriately called Readiness Assessments.

Readiness assessment are customized and phased over the STO even lifecycle to identify opportunities for improvement in a timely fashion.

KAP solution professionals conduct assessments in addition to schedule quality reviews and risk workshops. Solutions include the assimilation of proven process and validated technologies to provide the tools required to gather requirements, evaluate results, evaluate and close gaps, and prepare for work execution.

Every client is different. Our team will assess customer's current status, time before the planned execution state date, and other critical factors and design a Readiness Assessment solution specifically for their needs.



KAP Professional Solutions Newsletter

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