

Q1 2017 GE Digital Recognition Nomination Form

Nominator Name/Title: Sabrina Lui /Sr. Director of Engineering

Nominees Names/Titles/Bands/SSOs:

APM Analysis Scrum Team (FTE)

Nominating the scrum team as everyone contributed to the success.

Jim Defrisco/Sr. Staff Engineer/SPB/212441580

Ravindran Navamany/Sr. Staff Engineer/SPB/212362240

Priyabrat Nanda/Sr. Software Engineer/LPB/212437040

Vibha Malviya/Sr. Software Engineer/LPB/212555253

Madhuri Chadalapakka/Sr. Software Engineer/LPB/212580373

Jagadeesh Palaniappan/ Sr. Software Engineer/LPB/212597032

Rashmi Mundgod/Staff Quality Assurance Engineer/LPB/212569270

Monira Sultana/Sr. Quality Assurance Engineer/LPB/212608278

Anahi Bagu/Sr UX Interaction Designer/ LPB/212350772

Sekhar Banerjee/APM Product Manager/ 212487653

Jacqueline Anderson/Sr. Staff Technical Writer/SPB/ 212365221

Shivkumar Krishnan/Director of Engineering/SPB/212414611

Nominees' Manager: Ashish Agrawal

Award Category (see below): Behavior: The "ACTS" Award, #ACTS

### **Description of how they meet the award criteria (See below):**

I would like to nominate the APM Analysis team for the launch of the new and redesigned APM Analysis MicroApp and Framework as part of the Q1 2017 release while truly exhibiting GE Beliefs.

Since first releasing in 2015, we found that the feature complexity and user requirements grew exponentially presenting us with the choice between incrementally refactoring the code or taking a moonshot approach to rebuilding the entire MicroApp from scratch while still meeting aggressive timelines and moving targets of Q4 release.

The APM Analysis team, challenged themselves to take the moonshot approach of rebuilding the MicroApp while still honoring the commitment to deliver the Q4 2016 features in the old codebase. The team not only brought the new application close to feature parity by the end of Q4 2016, but also leapfrogged to future needs by building a very robust framework required for the powerful features included in the Q1 2017 release. The PxTree component that was designed as part of this superlative effort and has been contributed back to Predix, and is being used by other MicroApps. The new infrastructure reduces the integration effort of new chart from weeks to days. It allows extension of new layout and its ease of configuration enabling acceleration of feature implementation.

In addition, and in parallel to this effort, the team also on-boarded seven additional contribution teams enabling them to contribute to the Analysis codebase beginning in Q1 2017. The SmartSignal – Lisle, Falcons – Power Hydrobad, Admirals – Power Atlanta, Titans – Power San Ramon, WhiteWalkers – O&G Mumbai, UCodeBro – O&G Oklahoma, and Tag Expressions – O&G San Ramon teams are continuing to build complex features for the Q2 2017 release.

The Analysis team exhibited a passion for customer satisfaction by designing an amazing user experience, and truly demonstrating the “Customers determine our Success” GE Belief by accelerating a complex feature ahead of schedule by a quarter, meeting high-demand from BP and Power customers.

The Q1 2017 release was launched with 80% unit testing, 90% functional test automation coverage, and Zero S1/S2/S3 P1 defects. The Analysis team accomplished this audacious goal while ensuring a healthy work-life balance and having fun along the way winning some of the championship contests at various organization team events. The team loves to hangout and bond together and enjoys celebrating all major holidays with Potluck lunches or other team events.

Here are some of the major features exhibited in the new Q1 2017 release:

- Shiny new codebase built with clear separation of concerns between Angular and Polymer.
- Best-in-class user experience to handle complex user scenarios.
- A new PxTree component that was contributed back to Predix.
- Drag and drop capability from the new Tag Tree Browser.
- Ability to add any combination of cards and charts in an Analysis View.
- Support for multi-Y-axis in time series charts.
- Enhanced tag filtering.
- Enhanced tag tooltips.
- Enhanced advanced search that was built on a new Px-Keyword component.
- Ability to set template data from the Alert Template.
- Full migration to D3 from Highcharts.
- Upgrade to the latest Px-Viz framework.
- Support for Private Templates (contributed by the Power Falcons).
- Support for Tag Expression (contributed by O&G).
- Support for new event types in SmartSignal charts (contributed by SmartSignal).

**The Q1 2017 release was no small feat, and required a large appetite for risk, taking accountability for the situation with a “can-do attitude”, a winning and trusting team spirit, great collaboration with seven other teams across the organization combined with a high speed precision execution to meet aggressive timelines.**

**CONGRATULATIONS to everyone who contributed to the success of the APM Analysis Q1 2017 release!**