

CASE STUDY

**Building a Power Platform
Powerhouse: Armely helps Tetra Tech
implements Microsoft Center of
Excellence (CoE) to drive efficiency
and Innovation**

Tetra Tech is a leading provider of high-end solutions for water, energy, environment and international development projects. With 200+ Power Platform environments, 1,000+ Makers, 6,000+ Power BI Reports needed a mechanism to manage and maintain the Power Platform environment providing the best of use while tracking unused, orphaned and obsolete objects. Tetra Tech partnered with Armely to implement a Power Platform Center of Excellence (CoE).

CHALLENGES

Some of the challenges we needed to address with the implementation included

1. **Governance and Security:** Manage sprawl of applications, access control and ensure compliancy.
2. **Licensing cost:** Evaluate environments using Dataverse and Premium features to help reduce the cost.
3. **Reporting and Analytics:** Developing reports and dashboards to track app usage, identify trends, and measure success.
4. **Compliance and Auditing:** Ensuring Power Platform usage adheres to internal and external compliance regulations.
5. **Citizen Developers:** With low-code/no-code they needed to determine who the makers were.
6. **Integration Limitation:** Evaluate applications using complex data integration that requires extra effort to maintain.
7. **Monitoring and Performance Management:** Monitoring app performance, user activity, and potential issues.
8. **Environment Management:** Effectively managing development, testing, and production environments to isolate changes and prevent disruptions.
9. **Data Governance:** ensure data quality, consistency and compliance across apps.
10. **Monitoring and Alerting:** Setting up effective monitoring for app performance, errors, and security issues for proactive administration

SOLUTION

To address these challenges, we implemented CoE which is a framework and a collection of resources that guides effective use of Power Platform (Power Apps, Power Automate, Power BI, Power Virtual Agents). The solution included

Governance

- **Inventory and Governance App:** Tracks Power Platform resources, manages access controls, defines governance policies, and automates approval workflows.

- **Deployment and Release Management App:** Automates deployment across environments, manages version control, rollbacks, and change management.
- **Security and Compliance App:** Enforces security best practices, monitors for potential risks, and automates compliance checks.
- **Audit Log and Reporting App:** Tracks user activity, app usage, and changes made within the Power Platform environment.

Development and Collaboration

- **App Review and Approval App:** Streamlines the app review and approval process with defined criteria and automated notifications.
- **Best Practice and Design Pattern App:** Showcases best practices, design patterns, and reusable components for Power Platform development.
- **Theming:** Functionality that standardizes and eases development.

User Enablement

- **Training and Support App:** Provides access to training materials, FAQs, support channels, and a knowledge base for Power Platform development and usage.
- **Idea and Suggestion App:** Allows users to submit feedback, suggestions, and feature requests for Power Platform development and the CoE itself.

Monitoring and Optimization

- **Analytics and Reporting App:** Leverages Power BI to connect to various Power Platform data sources and generate reports and dashboards to track app usage, identify trends, and measure CoE initiatives.
- **Performance Monitoring App:** Monitors app performance, identifies bottlenecks, and triggers alerts for potential issues.
- **Resource Optimization App:** Analyzes resource utilization across environments and suggests optimization strategies.

BENEFITS

Increased Efficiency and Productivity:

- **Standardized Development:** Consistent development practices, leading to faster development times and reduced rework.
- **Streamlined Governance:** Clear governance policies and automated workflows simplifies app approvals and deployments.
- **Improved User Enablement:** Training materials and support channels empowers citizen developers, reducing reliance on IT resources.

Enhanced Innovation and Agility

- **Empowered Citizen Developers:** CoE fosters a culture of innovation by equipping citizen developers with the skills and resources to build solutions.

- **Faster Time to Market:** Streamlined development processes enables quicker creation and deployment of new applications.
- **Improved Collaboration:** CoE fosters collaboration between IT and business units, leading to better alignment between business needs and technical solutions.

Improved Cost Optimization

- **Efficient Resource Utilization:** Governance practices helps optimize resource allocation across development environments.
- **Reduced Reliance on External Development:** CoE empowers internal development, potentially reducing reliance on external development resources.

Enhanced Security and Compliance

- **Standardized Security Policies:** CoE ensures consistent security practices are followed in all Power Platform development.
- **Improved Data Governance:** Clear data governance policies within the CoE help manage data access and ensure compliance with regulations.
- **Automated Compliance Checks:** CoE leverage tools to automate compliance checks within Power Platform applications.

Overall Business Value

- **Improved User Adoption:** Effective training and support within the CoE lead to higher user adoption of Power Platform applications.
- **Increased Business Agility:** CoE empowers organizations to respond quickly to changing business needs with custom Power Platform solutions.
- **Data-Driven Decision Making:** Insights from Power BI reports generated within the CoE inform more strategic decisions.

ABOUT ARMELY

We are a technology company focusing on Business Intelligence, Data Analytics, and Visualization, notably on Microsoft, AWS, Salesforce (Tableau), and GCP. We make Big Data Simple for our customers by taking a vendor-agnostic approach to ensure you get the best of the technology. Our vision to Empower Organizations to achieve more through Data allows us to corral data and turn it into actionable insights. We strive to be your strategic partner and adviser in your Business Intelligence, Data Analytics, and Visualization journey.

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