QUASAR'S REPORT MEASURES KNOWLEDGE MANAGEMENT SYSTEM

As a company, Quasar empowers customers with instant access to data, enabling them to make quality business decisions. We have taken our many years of experience within the various industries and built a **PowerBI Measures KMS** providing a manageable, validated, and shareable report measure management system providing simple access to all measures and reduction in report build and maintenance time and costs.

Organizations need a better management system for the calculated measures within PowerBI. Currently all measures are stored in each PowerBI report. This leads to possible duplication of such measures across the entire organizational reporting solution. Along with this, some of these measures contain complicated DAX which each PowerBI developer will need to know. With the current landscape, all users are analysts. This means that all users should be able to create their own PowerBI reports (some could be corporate standards and others can be personal/departmental). These users should NOT be required to have in-depth DAX skills and still be able to access and share measures across the organization.

Quasar has made this possible by bringing these calculated measures into a shareable, collaborative, secure, auditable, and managed solution.

PRODUCT/SERVICE/METHODOLOGY

Quasar's Report Measures Knowledge Management System (QRM_KMS) enables businesses to ensure correct and accurate calculations, reduce potential errors in data presentation and allows for faster and better business insights and decisions.
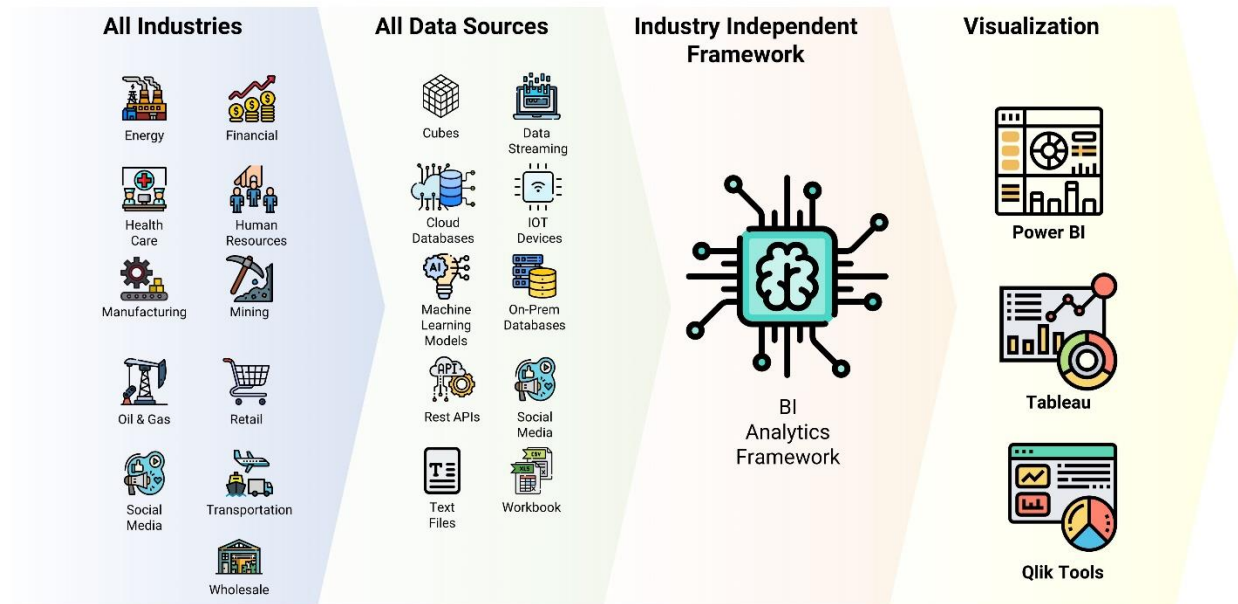
- **Correct and accurate information for decision-making:** Developed, reviewed, audited and optimized calculations available to all report developers and power users
- **Accelerated data transformation:** Using our QRM_KMS solution reduces the time it takes to develop calculations within reports and the communication and verification "repetition" with the business users, database team and business analysts. This calculations are prepared, reviewed and managed for integration and analysis and seamlessly integrates Microsoft PowerBI.
- **One environment for all PowerBI users:** Quasar's QRM_KMS consists of a database repository and interface for advanced calculated measures and supports power users who need access to various business calculations that have been validated by the business user, database experts and optimized for performance and accuracy. These calculated measures are then available to any PowerBI developer for integration into their reports and dashboards
- **Increased confidence in data reporting:** Using our QRM_KMS, we provide features such as DAX measure development, Accuracy review, historical tracking on changes to measure(s) and approval for publication – making only those approved calculated measures available to report developers, ensuring accuracy across the organization as to how they report their important information.

Our many years of experience with our many clients across varying industries, Quasar has leveraged its industry design and best practices to solve key organizational reporting concerns, from both organization-sites/branches and corporate perspectives.

To do this, the Quasar team worked on understanding the many systems used within these varying organizations (as well as their sites/subsidiaries/branches), and developed a best-practice solution, **Quasar's QRM_KMS**, to allow for efficient and reliable data presentation from the most complicated systems to the simpler ones.   Built using world class technologies and optimal managed solutions, use the QRM_KMS on premise or in the cloud, the choice is yours.

Drive accurate intelligence within the organization. Ensure numbers reported internally and externally are accurate, managed, auditable and verified while at the same time being performance optimized, secure and eliminate the time it takes to produce reports and dashboards.

Quasar's BI and Analytics Framework.

The diagram above depicts the solution architecture and more importantly, the Organization processes that we streamline for reporting and analytics.

In sourcing the data in an efficient and intelligent manner, the Quasar team provides the optimal solution that drives the organization's operations. With the solution(s) enabled by the **Quasar BI and Analytics Framework**, Quasar and/or the customer is able to quickly design and deploy Organizational Dashboards and reports using PowerBI, Tableau or the Qlik toolset; thereby enabling the Organization's personnel to quickly analyze the data in a quick, accurate and optimal way.

Quasar BI and Analytics Framework addresses the following areas of an organization's site(s) / subsidiary / branch reporting perspectives:

- Finance (Corporate & sites/subsidiaries/branches)
- Vendors
- Organization (physicals)
- Manufacturing and processing
- Equipment & Maintenance
- Safety
- HR

From a technology perspective, Quasar has established strategic partnership with world leading vendors. The Quasar team exposes and utilizes Data Analytics and data-management platforms that comprise the following products:

TimeXtender
*Microsoft Power BI
Microsoft Power Platform (is used in PowerBI)
Microsoft SQL Server (on premise or cloud)
Microsoft Azure Data Lake, Factory and Analysis Services models (if requested by customer)
*Tableau
*Qlik tools

* All 3 visualization options are supported and organizations utilizing one or more of these will visualization solutions will benefit from the same optimal **BI and Analytics Framework**.