

REQUEST FOR PROPOSALS

Cloud Native SaaS MPP-DBMS

ANNOUNCEMENT DATE: December 10, 2021

CLOSING DATE: January 30, 2022

I. PURPOSE

LITASCO SA is requesting proposals from global technology providers specialized in the provisioning of Software as Service (hereinafter SaaS) Cloud Native, Massive Parallel Processing (hereinafter MPP) data-warehousing Management System (hereinafter DBMS) solution to provide the following:

- A Cloud native SaaS MPP-DBMS platform with data residency constrained in the Swiss national territory based on MSFT Azure Cloud.
- A single platform that supports storage and separate computing for many different workloads from structured to semi-structured and unstructured data.
- Secure, governed access to all data and all types of data.
- Instant performance and massive parallel processing scalability.
- Pay-per-use elastic computing with second-level granularity.
- Out-of-the-box ability to integrate with the most mainstream data visualisation and presentation platforms (e.g. MSFT PowerBI, Tableau, Qlik-Sense, etc..).

II. KEY OBJECTIVES

To conclude a contract framework as follows:

- A Master SaaS Agreement enumerating the incentives and discount bands for reserved capacity and “pay-as-you-go” usage.
- The provisioning of MD (man-days) bundles of professional services to deliver the following:
 - Assist in the overall architectural design.
 - Validate Architectural patterns and design.
 - Support and accelerate the design and implementation of high-priority, high-impact use cases.

III. TECHNICAL REQUIREMENTS

Selection of the provider will be based on the following criteria. Please address these points in your proposal:

- Being a recognized global technology provider in the space of SaaS MPP-DBMS (please provide references and evidence);
- Ability to cache a result-set of each size that will be available for next 24h or as long as the data required to create the set is still valid.
- Ability to clone data with 0-storage footprint and warehouses as ephemeral/stateless systems allowing Test/Dev/QA users to only run the queries they need at scale with very low cost.
- Ability to load, immediately query, and join structured and semi-structured data with near zero admin/maintenance.
- Ability to start/stop a cluster of any size instantaneously;
 - Auto-Resume, Auto-Suspend with near-zero cold-start latency, near-zero suspend delay.
- Seamless and automatic addition of compute resources to prevent excessive query queueing at high concurrency times, and automatic compute decommission once the concurrency demands reduce. All without disruption.
- Ability to perform read and write operations during periods of high concurrency.
- Ability to run multiple parallel workloads each with dedicated allocation of computing resources over a single copy of the data.
- Ability to de-couple storage and computing for data and to require no storage allocation management.
- Ability of accessing and integrating with near-zero latency a Data marketplace that is readily accessible by any environments to enrich existing internal data, (e.g. integration of weather data, Covid-19 data, etc..).

IV. SUBMISSION PACKAGE

The submission package should include:

- Official Tender Offer (as per below section V);
- Detailed commercial offer (including rates, man-days, efforts split by phases, total amounts);
- Detailed proposal, including descriptions of the utilized approach, deliverables, anticipated timeframe.
- Recommendations and references from previous partners / projects, where similar services were provided.

V. LITASCO SA TENDER APPLICATION PROCEDURE

If you are willing to participate and believe you are able to comply with the LITASCO SA Tender requirements, please submit your Tender Offer in English not later than January 30, 2022.

The official announcement and details of the tender can be found here:

<http://www.litasco.com> (Company → Tenders → View List Of Tenders → select LITASCO SA).

In order to be considered for the tender, the application form has to be submitted via this link: <http://litasco.com/en/About/Tenders/Application> with the above mentioned documents attached.

Please address your inquiries, questions and requests for clarifications/specifications to:

Tender organizational matters

Igor Bobylev
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Technical requirements

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Proposals received later than the stated deadline cannot be considered.

A service provider of the winning proposal will be selected by the decision of the LITASCO Tender Committee, the exact date TBD.

All other candidates will be notified as well after the decision is made.

LITASCO SA can cancel this selection any time prior contract signature without disclosing the reason.