ENGAGE META

ENTERPRISE-SCALE ONTOLOGY MODELING

Pack-005

The data model forms your Operational Data Store (ODS) at the level of the company, which is the cornerstone of the data architecture on which AI is integrated. The ODS shares the business glossary with the ontology, which is also used to build the knowledge graph database (EKG). The implementation of the EKG can be offered as an additional service upon your request and for a defined project scope. Unlike the ODS, which is modeled in a holistic manner (the focus of this scope of work), the EKG should instead follow dedicated project cycles

LIMITATIONS OF THE SCOPE OF WORK

- ✓ Attribute limitation: No more than around 20 business attributes per table. Beyond this, the benefit of modeling diminishes, as the database will evolve further at the implementation stage through development and use-case customization.
- ✓ No reporting needs modeling: Reporting will be addressed in a generic way via a reporting tool, which will be evaluated and positioned during the technical study we are conducting with you, in parallel with data modeling.
- ✓ No modeling of unstructured data: However, we will aim to capture the minimum metadata required for proper data governance. A graph-oriented database solution will be included in the technical study to enable the transformation of your document repositories into actionable knowledge.

DELIVERABLES OF THE WORK

- ✓ Entity-Relationship Diagram (ERD) for a maximum of 10 functional domains (e.g. Admin & HR, Planning & Supply, QA, R&D, Production, Finance & Accounting, Marketing, Sales, etc.). This model will be created using the Visual Paradigm design tool.
- ✓ Logical data model using the NoCode Knack DB platform.
- ✓ Data-oriented user interface (UI) using the NoCode Knack DB platform. This UI is intended to help you validate the data model from a business user's perspective (not to be used in production)
- ✓ Business glossary, Codification rules
- ✓ Taxonomy, with the use of inheritance in the data model to ensure optimal generalization, support the database's scalability, enhance reporting capabilities, and facilitate integration across subsystems (e.g., implementation of the Party-Role domain).
- ✓ Methodological support so that the list of use cases formalized by your business users meets the level of detail and quality needed for successful data modeling. This list is also key to building the implementation plan covered in the technical architecture work. It will also serve as the foundation for modeling your organizational processes in the future.
- ✓ Our AI prompts, provided as part of our work, will later enable you to gain a certain level of autonomy in modeling your business glossary, taxonomy, ERD, and ontology.