

EOSE Data Proposal Summary

- [Deep Knowledge Group](#) is a consortium of commercial and non-profit organisations active on multiple fronts in the realm of DeepTech and Frontier Technologies (AI, Longevity, FinTech, GovTech, InvestTech), ranging from scientific research to investment, entrepreneurship, analytics, media, philanthropy and more
- The DeepTech sector and its many subsectors (Longevity, SpaceTech, NanoTech, AI, etc.) are developing at a rapid pace, with hundreds of thousands of companies that five years ago were just tech companies but now qualify as DeepTech. Deep Knowledge Group has extensive experience creating analytical frameworks for managing the complexity of those industries
- We have designed and validated specialised software capable of aggregating information and data on a massive scale and in a structured manner. These analytical approaches are integrated with proprietary Big Data Design software that uses advanced visualisation techniques to represent entire industries in one display, reflecting the dynamics, trends, scope, and/or categorical dimensions of entire industry landscapes at a glance, similar to "star maps"
- One of the major products of DKG is the [Big Data Analytics System and Dashboards](#). It is a set of sophisticated, customised, AI-enhanced Big Data analytical databases, tools and IT solutions tuned to the specifics of DeepTech, Longevity, and other Frontier Science and Technology industries
- We then use machine learning techniques to extract hidden correlations and latent patterns within this extreme abundance of data, transforming them into actionable insights
- While we do have analytics on publicly traded companies, our major focus is on private equity companies (which tend to have lesser volumes of data in the open domain), and we are also conducting sophisticated analysis of matured pre-IPO companies
- DKG uses alternative data analysis as an investigation of the traces that the business leaves instead of self-reporting filings and press releases instead. We carefully collect relevant metrics for each DeepTech industry and thoroughly analyse them using public equity and its market price as a reference. Our model is based on more than 150 metrics covering patents, publications, team competence, etc
- Looking at the market pricing of public equity, we are able to determine the key metrics affecting value and use them to find market inefficiencies and thus price private companies with a similar business structure. Clustering machine learning algorithms help us to define the proper peer group for each company, get a view of the market structure and competition
- All listed above allow us to value a large number of private and public companies and get a broader and deeper view of their business. We are constantly monitoring new data becoming available and incorporating it into the valuation models