

# Matrix BI

## Big Data Strategy Brief

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## Matrix BI value proposition

As Matrix's center of excellence for BI, Data Integration and Analytics, Matrix BI brings vast experience and knowledge implementing such solutions to all leading enterprises in Israel many abroad.

Our deep understating of BI and Analytics from the business side and our technological competency with industry leading analytical tools and frameworks allows us to provide an objective and professional approach when weighing the possible routs of action for implementing such a complex solution.

In addition to that, MatrixBI brings the “know how” in producing enterprise grade solutions while maintaining agility and lean team structures ensures our quick, to the point delivery. Sided with the availability of over 6000 IT professionals we ensures that no challenge is left unsolved during the solution implementation.

Finally, as a well-established trusted advisor in the Israeli and International market, that delivers successful solutions and consultancy in wide range of areas. We are confident that our acquaintance with the industry involved and other operations performed is a major advantage that proves valuable and allow us to create an innovative and leading solutions.

## Strategy Brief

In today's complex technological eco systems that is spawning new technologies and methods to tackle the Big Data problems organizations are facing. It is almost impossible to keep up with the knowledge and training employees need to become technological experts.

The vast technological landscape that exists today contributes to a state where many organizations end up using a wide array of technologies and Service Integrators such as Matrix BI must hold a large array of these “experts” without the ability to provide continues employment.

Moreover, solutions initially designed with a set of technologies, tend to develop and expand “on the go” requiring outstanding team agility and adaptability.

This reality is the main contributor for the “Self Sufficient Team” methodology constructed at Matrix BI.

Matrix BI's high competence in implementing advanced analytics solutions plays a vital role in our approach to development and maintenance of large scale distributed systems also known as Big Data systems.

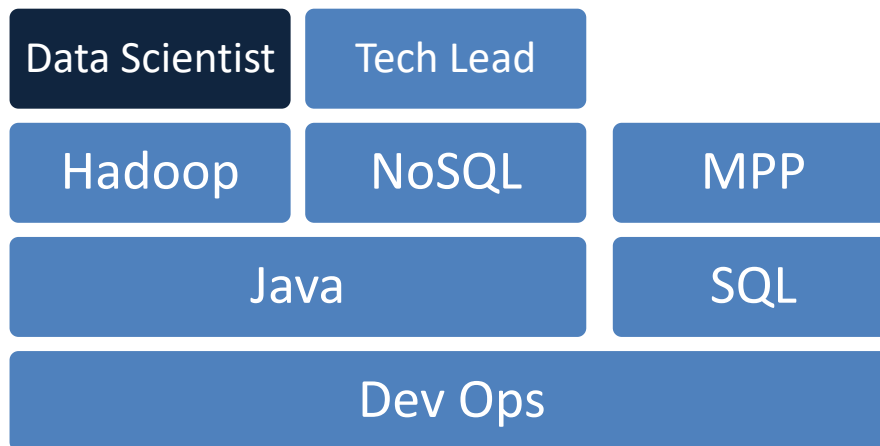
Based on this experience we have successfully created and are implementing a methodology that aims to construct a self-sufficient, multi-disciplinary team to provide end-to-end solution in any array of technologies that is required for a specific project or customer.

By doing this, we are able to provide the domain experties in any of the fields that will be described in details below and deliver a competent team with high maturity and delivery capability.

## Team Structure

A team structure is comprised of two or more highly capable personnel in the fields that can be seen below lead by a technological leader (based in Matrix BI's HQ) that is in charge of seeing the broader picture, review technological designs, coordinate in house services (i.e. Data Science services), and provide support.

The general team structure can be seen in the diagram below:



*Figure 1 - General team structure*

In addition teams are deployed in changing percentage and timeline to provide optimal resource allocation and maximize their exposure to new technologies and solutions carried out by MatrixBI thus providing an enriching environment that ensures knowledge transfer and professional development.

## Matrix BI Big Data Ecosystem

As experts in analytics Matrix BI had developed advanced skillset in many technologies that are widely available in the Big Data and Analytics ecosystem today.

Some of these tools can be seen in the below diagram:

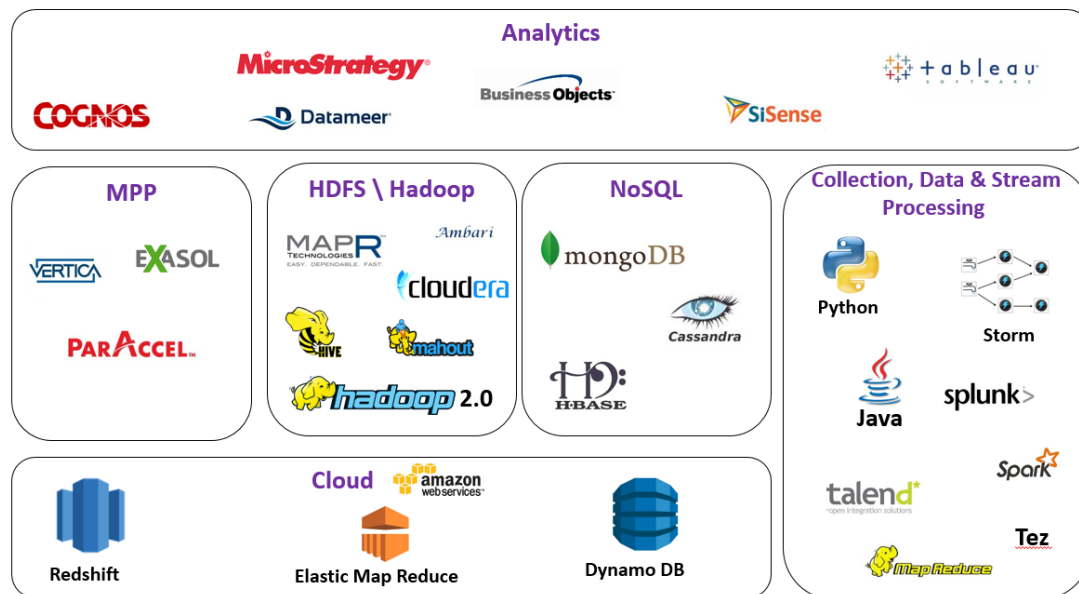


Figure 2 - MatrixBI technological Ecosystem

## Matrix BI Big Data Services

In addition to on-site development and integration services, Matrix BI offers Big Data consulting services that include the following products:

1. Technology roadmap planning
  - Requirement gathering and Analysis
  - Architecture
  - Tools and Technology selection
2. Data Science Expeditions
  - Lift Analysis and Advanced data exploration
  - Statistical Services
  - Strategic research
3. Hadoop & Vertica cluster initialization
  - Setting up Hadoop / Vertica clusters, tuning, Optimization etc.
  - Management and Integration (DevOps)
4. End to End / Turnkey Projects
  - Delivery of complete solutions for OEM / Enterprise deployment
5. Cloud Services & Dev Ops