BigDataStack is a unique high-powered stack of solutions with a focus on providing fully efficient and optimised processes across the complete set of technologies required by data operations and data-intensive applications.

**KEY RESULTS**

- **Data-driven infrastructure management system** for infrastructure providers
- **Data as a Service** for data providers, decision makers, private and public organisations
- **Data toolkit** for data scientists and practitioners
- **Process modelling and optimization framework** for business analysts
- **Application dimensioning workbench** for application providers and engineers

**Yosef Moatti, project coordinator (IBM Haifa):**

“BigDataStack delivers an innovative stack, with a data driven infrastructure management system. BigDataStack aims at being fully scalable, runtime adaptable and high-performant and thus is well positioned to address the needs of big data operations and data-intensive applications.”

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USE CASES

Real-time ship management
Predictive maintenance and spare parts inventory management towards dynamic routing

Connected consumer
Consumer-tailored predictions and personalized offers in real time

Smart Insurance
Profitability prediction, personalized recommendation to customers with cross- and up-selling strategies and churn prediction

BigDataStack Features
- A new and distributed architecture
- Data operations characterisation and application analysis
- Data-driven & runtime adaptable decisions
- Covers the complete data path and lifecycle
- Visualization of information for the infrastructure and data analytics results
- Availability and integration

Stakeholders
- Big data organizations & initiatives
- Standardisation bodies
- Academia and research
- Entrepreneurs, ICT SMEs & Start-ups
- Open Source Project and Initiatives
- General public

Who's behind BigDataStack?
Balanced mix headed by IBM Israel (IL) involving large industrial players, research centres and SMEs: Athens Technology Center (GR), ATOS (ES), Danaos Shipping Co. (CY), GFT Italia (IT), LeanXcale (ES), NEC Europe (UK), Red Hat Israel (IL), SingularLogic (RO), Trust-IT Services (UK), Ubitech (CY), Universidad Politecnica de Madrid (ES), University of Glasgow (UK), University of Piraeus Research Center (GR).

Contact us for more information: contact@bigdatastack.eu

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