Managing change in the delivery of complex projects

The changing role of data and information in big projects and the utilization of big data

28 February 2016 – Milan, Italy – A new resource has been added to the PM World Library related to configuration management and managing major projects. The new resource is titled "***Managing change in the delivery of complex projects: Configuration management, asset information and 'big data'"***.

Digital technologies have been transforming project delivery in all the industries. Large datasets have become a key tool for flexible and timely decision-making processes in less predictable and more volatile situations. The paper focuses the attention on large and complex projects, such as the construction of an aircraft or a train, where the integrity of information and data is essential for the success of the project. In those industries, the configuration management is used to manage changes in the delivery of projects.

The configuration management is characterized by different phases: the identification of the product structure and the configuration of items; the understanding of how the system is structured at any stage of the lifecycle; the evaluation of available data and the audit to verify the consistency of the information.

To access this new resource, go to http://pmworldlibrary.net/major-projects-programmes/, click on "Resources for Management of Major Projects/Programs" and then on "*Managing change in the delivery of complex projects: Configuration management, asset information and 'big data'*". Must be a registered and logged in member to access.

Posted by: Giulia Gasparini

Managing change in the delivery of complex projects: Configuration management, asset information and 'big data' – Published in 2015, the authors – Whyte J., Stasis A. and Lindkvist C. – present the configuration management applied in three different cases – Airbus, CERN and Crossrail – showing how it works and how big data and large datasets are used. At the end of each case, challenges in the application of configuration management are described. For more, visit http://www.sciencedirect.com/science/article/pii/S0263786315000393

http://pmworldlibrary.net/resources-for-management-major-projectsprograms/