

## GLOBAL SPACE, LOCAL PLACE: PROTOCOLS FOR NEW WORLD ORDER

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Not like other industries, the construction industry has without a doubt never passed through a prime revolution with the development of new technology. As a result of that the productivity within the industry remained static over the last 30- 40 years. However, this situation is progressively changed and it can be predictable that a dramatic change will be there very soon and some preliminary changes are already taking place. Although, these are not yet on a sufficiently wide scale they have been addressed many aspects of the construction industry over recent decade. Therefore, it is a clear fact that in few years definitely there may be a new world order in construction due to the impact of technological as well electronic innovations and with it new protocols in the future. The key of these new movements is basically 'digitalization'. Most of the construction projects are incorporating systems of digital sensors, intelligent machines, mobile devices, and new software applications recently. One of the major transformation is integrating with a central platform of Building Information Modelling (BIM) and it is practicing successfully even in few large scale local projects. Further, the construction procurement methods such as Construction Management, partnering combined with PFI/PPP have emerged and used in most of the local infrastructure developments. As construction projects significantly contribute to the environmental issues due to its massive consumption of energy and other natural resources during the whole life cycle of the project, the sustainability and green building concepts have been gradually incorporated. One of the new aspect being considered throughout the last few years is the 'climate responsive architecture' instead of using fossil power for heating and cooling requirement of the building. Further, due to the extreme urbanisation in the last decade most of the major cities in the world has become congested and unplanned. Several solutions have been tested by the planners and the succeeded outcome is the "Smart City" concept. Smart cities are developed urban areas designed with a perspective of creating high quality of life by using digital technologies or information and communication technologies (ICT). There are more than 250 smart city projects over the world and the majority of projects are in Europe. This concept is already brought to the local context and it will become reality in the near future.

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