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High-Level Technology to Manage Distributed Dynamic Systems

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With the world dynamics growing due to global warming, numerous natural and manmade disasters, military conflicts and international terrorism, quite different organizational models and technologies are needed to adequately withstand irregular (often called asymmetric) situations and threats, using any available human and technical resources, in real time and ahead of it. Within this context, a radically new paradigm has been developed enabling us to grasp integrity and goal orientation of distributed dynamic systems on a high, semantic level while delegating most of traditional routines of system partitioning, communication, synchronization, command and control, restructuring, resource allocation, and recovery from damages to effective automated up to fully automatic implementation.