THE CYBER-PRODUCTION SYNDINICAL SITUATION

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Abstract. The cyber-production (CP) syndinics defines the dangerous factors, which are actual for the Industry 4.0. The ecology, process (technological), economy and other directions of the company security are being analyzed. There is a scheme of the CP security policy components. The CP security system threats are studied inspired by random reasons and third persons intended actions (competitors, hackers, un-loyal employees and other). The random reasons could be cyber-equipment functioning failures. The intended reasons are associated with terrorists cyberattacks and some malevolent physical penetration in a secured area. The security system threats parrying is given to the engineer cyber-systems (ECS), which have the security functions. There is a scheme given of a CP protected section equipped with security ECSs. The risk factors influencing the industrial object security are defined if they potentially could provoke a technogenics catastrophe. The CP technical security components are defined as the physical world and cyber-space building security infrastructure.

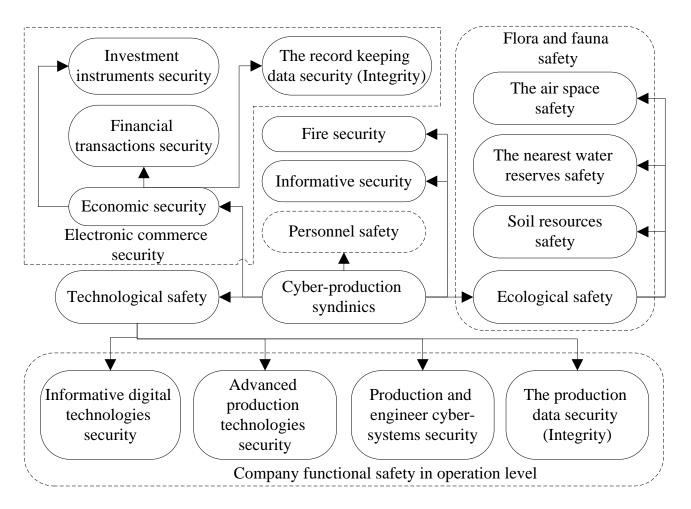


Figure 1. The industrial object CP security politics directives.

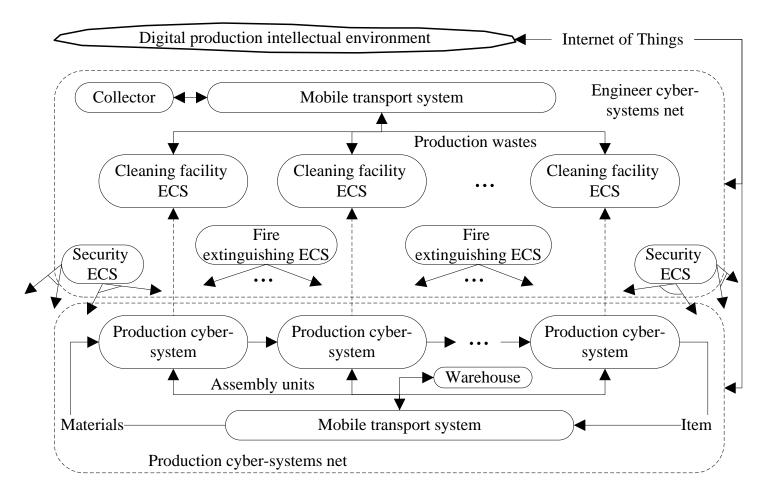


Figure 2. Protected CP section equipped with security ECSs scheme.