

Technology Update

Mobile Phone: in the Factory: Fokus 5G

The coming 5G mobile phone generation starts in the production. Big industries bring forth it into position. Guido Weißbrich is responsible for the network planning of Vodafone, Germany is in the breakup mode. So something happens in every 10 years in mobile phone. He thinks with that the introduction of the new fifth mobile phone generation in short called 5G. It turns out always more concrete with which technical tricks, the suppliers and managers want to start up to the next stage. Three dimensions are with that decisive: huge gigabyte bandwidths, small delay time and the visualization of network. The industries specially desire all these. Here the robots should in right time on the mobile phone network be regulated, sensor data in thousands connected together with one another and automobiles automated steered on the roads. First before few weeks the important global standardization steps would be made. Now it is still in deficiency the suitably associated frequency in Germany.

On the frequency auction in the first quarter in 2019 all are planned first framework conditions for the bidding network management are already there. Qualities policymakers in advisory council

of the federal net agents demanded few days before still one surface covering outbuilding in a few years. However Bitkom President Achim Berg shortly at the Cebit warned against that. "Then you must have on each acre of land in every 2 kilometer one transmission mast."

Side by side with the public networks it should however also have self-supporting parallel networks to which specially the industries like Gunther Koschnick are interested. The Business executive of ZVEI-Fachverbands Automation in an interview clarified "Only with new radio technique we come to the quicker re-equipping time to be worded. In the evidence of flexibility of production, more and more mobile units in the factory must be able to speak with one another and with the production. Reason is sufficient. Why Also Big branches as BASF, Siemens, Daimler and Bosch already in discussions are on their networks with the federal agents.

Weißbrich is convinced, "The first 5G applications will be of industrial nature."

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5G