Industry 4.0 has been a buzzword for some time, but after reading everyone's perspectives and views, I have a new viewpoint. It is reasonable to state that it is no longer a buzzword, and we have been immersed in it for a considerable amount of time.

BITKOM suggests and cites that security must play an active part in the critical stages of development, beginning with the design phase. They quote: “It is not enough to simply bolt on security functions after incidents have taken place. It has to be taken into account from the outset – security by design. Furthermore, the increasing extent of connectedness and cooperation requires the various partners involved to have a high degree of trust in each other. The onus is on the IT security industry to provide reliable concepts, architectures and standards that can provide a foundation for trust. Manufacturers and operators must be sure that their know-how, their intellectual property and their data are protected. The challenge lies in equipping existing factories for these new requirements and at the same time coming up with solutions for new factories”

Its major technologies are now in use. Certain industries have already adopted this cutting-edge technology on an industrial basis. Standardization will be the determining element in their general use. The data will influence the final result. More than ever before, it is the key to success in Industry 4.0.

**References:**

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