REMARKS ON A VERSATILE COMPUTATION STRUCTURE ORIENTED TO MANAGEMENT SYSTEMS

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The paper presents the hardware and software architecture outlook and the design philosophy of a computation structure dedicated to the efficient management systems. The described structure is based on a family of remote dedicated intelligent terminals, working autonomously for data acquisition and primary data processing, or as satellites of a more powerful computer for collected data centralizing or central data bank using. The intelligent terminals are autonomous computation units, having a modular microprogrammed structure, arranged to permit the selection of various levels of capacity. The design philosophy, providing software compatibility between terminals and central processor and architecture permit implementing of a flexible structure thanks to the double modularity — the terminal scheme modularity and the network modularity — suitable for companies with diversified activity fields or complexities.