




# Application Note



## DDS2000 - Database Synchronization

### Application:

 Synchronisation of data from various databases in programme DDS2000

When using DDS2000 programme we often meet two requests. They are measuring on more places (we need more databases) and centralised data storing and analysing. Example: gauging station providing data measurement and analysis for more corporations. Its technicians copy central database to their notebooks and take their measuring instruments at the beginning of the week. During the week they carry on diagnostic measurement in various corporations. At the end of week technicians give acquired data to analysing team. These data need integrating into central database and analysing. For various - databases data integration DDS2000 programme contains function "**Synchronize Databases**".

Function "**Synchronize Databases**" enables data synchronization from more databases into the central one. Synchronization needs identical structure of database and same ID number of tree member. The base principle is data synchronization from copied database (actual) to central database (primal). Synchronisation description: After setting source and objective database, setting trees and cells entering the synchronisation, DDS2000 programme searches all data cells with same ID, type, name and location. Then it compares pairs of data cells. If source - database cell contains new data, this data are copied into central (primal) database. If it does not, another pair of data cells is compared. Synchronisation is possible for whole database, separate tree or individual data cells. Synchronisation is available by **Database/Synchronize Databases**.

In synchronisation menu (pic.) we can find two items: source and destination database. We determine, which database will be synchronised (source database) and where synchronisation result will appear (destination).

