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PowerPivot and PowerQuery. Consolidation of data from various sources in Microsoft Excel

Description: The training is dedicated for those who build, on a daily basis, reports and sheets in the Microsoft Excel environment based on large dispersed data collections, and face problems related to cleansing, transforming, and also consolidating data from various sources. The training is focused on issues referring to creation of data models, and also using new data visualisation functions in Microsoft Excel.

Duration: 16 hours

Intial requirements: Completion of intermediate course or an equivalent level of knowledge.

For whom: Employees of the following departments: business analysis, sales, marketing, administration and logistics.

Module: Pivot tables

    a.   Dynamic/distributed data sources
    b.   Grouping data, calculations in groups
    c.   Fields and calculation elements
    d.   Slicers, time axis
    e.   Pivot charts

Module: Power Pivot

    a.   Installations and launching PowerPivot add-on
    b.   Data models – key relationships
    c.   Importing data toPower Pivot

Module: Basics of SQL language

Module: Introduction to DAX language

    a.   Calculation in data model
    b.   execution context
    c.   Review of basic calculation functions

Module: Pivot tables based on data model

Module: Loading data to PowerQuery

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Module: Transforming source data

      a.   Column commands
      b.   Row commands

Module: Collecting data from sheets, workbooks, folders, databases, internet websites, etc..

Module: Refreshing connections.