

# DOM: Automatische Analyse und Synthese von technischen Gebäudeinstallationen

The screenshot displays the Dom Control software interface, which is used for the automatic analysis and synthesis of technical building installations. The interface is divided into several main sections:

- Dom Control Panel:** Located at the top left, it features a menu bar (System, File, Trace, Help) and several functional areas:
  - Behaviour:** Includes updates and slots for objects like \*abb\* and \*abb1\*.
  - Knowledge:** Includes concepts and slots for objects like \*akb\*.
  - Design:** Includes operations and slots for objects like ddwo5 and ddwo7.
  - Transfer:** Includes a list of files (ddwo0.fex to flat1.fex) and a menu with options like init, load, save, and preview.
- Dom Output Window:** Located at the top right, it displays a list of objects and their counts, such as (wandlelement ---> 4), (deckenelement ---> 4), (leitung ---> 169), (zuluft ---> 11), (abluftelement ---> 53), (warmwasser ---> 9), (kaltwasser ---> 11), (g-leitung ---> 64), (m-leitung ---> 45), (k-leitung ---> 60), (stammleitung ---> 9), (astansatzleitung ---> 7), (hauptastleitung ---> 10), (nebenastleitung ---> 13), (blattleitung ---> 22), and (zweioleitung ---> 88).
- 3D Model:** The central and right portions of the interface show a 3D wireframe model of a building installation, with various colored lines representing different components like pipes and conduits.
- Domain Ontology Modelling:** A central panel displays the text "D \* O \* M" and "Domain Ontology Modelling".
- System Status:** At the bottom left, there are icons for "Console" and "Waste", and a clock showing "clock V3" and the date "Mon Nov 18".

