

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 (Main Window):**
 - System File Trace Help:** Standard menu options.
 - Updates Concepts Objects Select:** Control buttons for the main workspace.
 - Behaviour, Knowledge, Design:** Three main functional areas, each with sub-slots for Operations and Slots.
 - Behaviour slot:** Contains analysis-related actions like 'analyse-context', 'analyse-connects', and 'delete-derivates'.
 - Knowledge slot:** Lists various technical components such as 'orgkobjekt', 'leitungssystem', 'anschluss', and 'astleitung'.
 - Design slot:** Lists design elements like 'g225', 'g224', 'g223', and 'g211'.
 - Transfer:** A central area with a list of files (ddwo0.fex to flat1.fex) and a menu for actions like 'init', 'load', 'save', and 'preview'.
 - Design:** A menu for design actions including 'define', 'get', 'draw', 'delete', and 'delete-all'.
 - DOM (Domain Ontology Modelling):** A central 3D visualization area.
- Dom Output (Right Window):** A text window displaying a list of elements and their counts:

```
(includes ---> 10)
(overlaps ---> 144)
(contacts ---> 452)

(wandelement ---> 4)
(deckenelement ---> 4)
(leitung ---> 169)
(zuluft ---> 11)
(abluft ---> 53)
(warmwasser ---> 9)
(kaltwasser ---> 11)
(g-leitung ---> 64)
(m-leitung ---> 45)
(k-leitung ---> 60)
(stammleitung ---> 9)
(astansatzleitung ---> 7)
(hauptastleitung ---> 10)
(nebenastleitung ---> 13)
(blattleitung ---> 22)
(zweioleitung ---> 88)
```
- Visualizations:** The bottom right area shows 3D and 2D technical drawings of building installations, including piping and structural elements.
- System Tray (Bottom Left):** Includes icons for 'Console', 'Waste', and a clock showing 'Mon Nov 18'.