

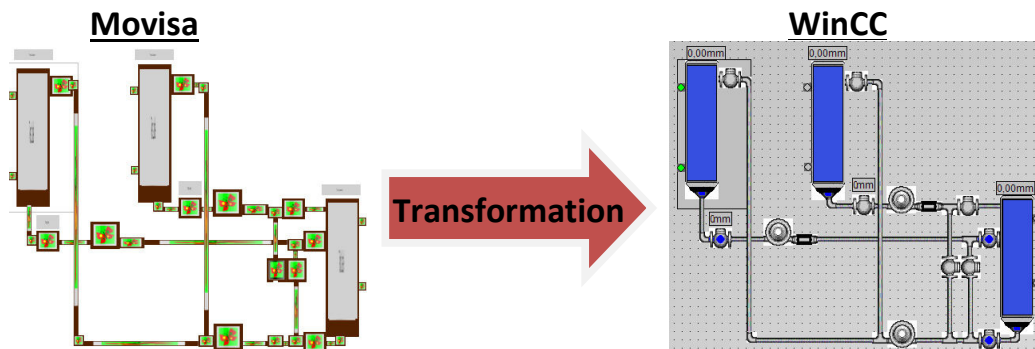


## **Integration of Movisa-Environment in related instrument environment**

*Movisa* is a programm for the development of process visualization. The developed visualization will be described a non-executable and platform-independent model. A transformation generates the model to a executable and platform-depent solution of the visualisization. This approach is called *Model-Driven-Software-Development*. The advantage of *Movisa* is the automatic generation of executable visualisization soltutions for various platforms.

A *model-to-text-transformation* will be developed in this thesis, which transforms the visualization model of *movisa* in a *WinCC* solution(see Picture). Further the thesis developes mapping rules between *Movisa* and *WinCC*. These rules are implemented in a transformation programm. The programm is verified on a representative example of *Movisa*. Verification shows that executable *WinCC* solutions can be generated automatically from the *Movisa* model.

Furthermore, the thesis discuss options of *deployment* for the transformation. The User will be supported by operating with the transformation by implemented *deployment*.



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