PRECISION CT AND MRI-GUIDED PERCUTANEOUS NEEDLE PLACEMENT SYSTEM

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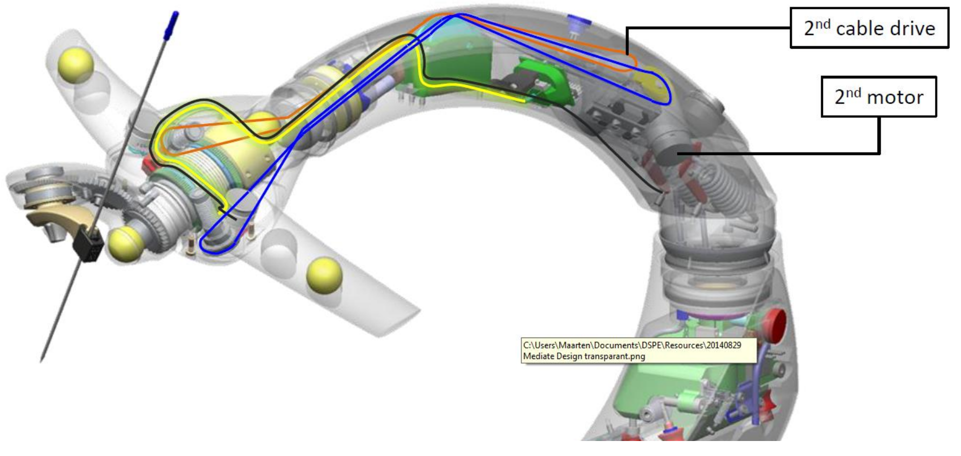
A precision CT- and MRI-guided percutaneous Needle Placement System to target a tumor in the thorax and abdomen has been developed and clinically tested. Successful needle placement was consistently achieved in a single insertion, with low geometric placement errors, few CT scans, low radiation dose and short placement time.



This development was a collaboration between the research groups PE and RAM of the University of Twente and DEMCON.