Assignment 5: Digital Human Modeling

**Goal of the assignment**

* To get familiar with the ADAPS digital human model
* Insight into the use of a 3D digital human model

**Material**

You can download the ADAPS digital human model from [www.dined.nl](http://www.dined.nl). You need a Windows computer to run the programme.

**Assignment**

You are asked to design a cabin for a clothes shop.

There should be as many cabins as possible in a limited amount of space, but these cabins should provide enough space for the customers to change their clothes and to see themselves in the mirror.

What should be the dimensions of the cabin, considering these requirements?

Use the ADAPS model to answer this question. You can use the grid function to determine the dimensions.

*Do not measure an existing cabin before you determine the dimensions of the cabin. You could do so afterwards to find out how the dimensions you choose match the ones that are actually used in shops.*

Consider the following in your evaluation:

* Describe the target group. Who are the users?
* Which ADAPS model do you choose to represent this group and why?
* How well does this model represent the target group? And how do you know that?
* What assumptions do you make considering postures and comfort?
* What do you expect of the accurateness of your results in relation to a ‘real life’ situation?

Illustrate your findings with relevant pictures of your ADAPS analysis (model and postures).