

7/14/2020

Morphological Analysis

Solutions Sub-features	1	2	3	4
Adjust height	hydraulic lift	Compressed air lift	electric motor lift	pulley system from ceiling
Provide Support	arm Support	torso bar	Wall grab bar	foot rests
Self clean or Sanitation	Bidet feature	Large access space from behind	movable torso Support	
Fit to comm toilet system	slides over existing toilet	toilet seat needs to be taken off or slides out	attaches to wall behind current toilet	attaches directly to toilet
Comfort	Squishy toilet Seat	Stable arm Supports		

Purple - Since I went with the hydraulic lift feature it drove me choose the bidet feature since we are already tapping into the water line. Since the focus of the support was in the arms, I picked the arms for comfort.

Red - I went with the electric motor lift as more focus on a torso support when the user could lean up from the front and give them more space behind them in order to clean themselves.