Requirements for the haptic feedback

Number of Criteria	Criteria	Solution of July 2nd
	Must have Criteria	
1.1	Vibration motor integrated in crutch	
1.2	Stable connection between the foot and the crutch	Given through publisher in code and cables
1.3	Robust recognition of gait phases during walking	Not Given
1.4	Less than 0.1 kg on the crutch	Given, only 3g on the crutch. The rest (105g) are on the foot and were even reduced to … through a PCB.
1.5	Feedback at heel strike	Not Given, no recognition of the heel strike in the new foot attachment
	Optimization Criteria	
2.1	Right amount of vibration for the pilot	Not Given
2.2	Compact Design of the foot module	Given thanks to the PCB
2.3	Minimally invasive integration in the exoskeleton	Given On crutch only small vibration motor and cushioning combined with One-Hand-Free Mechanism On foot the small design of the PCB allows a placement directly on the foot attachment.
	Nice to have Criteria	
3.1	Wireless integration into the foot sensor	Not Given