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Quality for life

# Reclaim your strength.

Genium



# “Hi!”

*May we introduce ourselves? We are Jenny (57) from the Netherlands and Aaron (48) originating from the very North of the United States. What binds us together is a strong sense of family. Each of us has three children. Our families demand a lot of our energy, but that’s a good thing.”*







## Jenny

...is a cheerful person with a natural fondness for the outdoors. Sporty through and through, she regularly leaves her friends far behind her on hikes. Jenny is also passionate about the visual arts. Beautiful design and aesthetic colouring of her prosthesis are a must for Jenny.



## Aaron

...is passionate about being a father. Above all else, it's important for him to be able to keep up with his fast-paced family. A bilateral amputee, he faces every challenge possible — be it at work or in his free time. When fishing, Aaron can relax, be all by himself and get lost in his thoughts.



*“When I ride my bike to go shopping and show my leg, some people look at me, but I only get positive comments.”*



### **Cross-country over rough terrain**

Even if four-legged friend Noah understands nothing about mechatronic prostheses, he values Jenny's stamina when walking over the dunes. Jenny's loyal companion can't complain, as there is hardly anything she won't do with her Genium.







## A storm-proof superwoman

My name is Jenny and I am 57 years old. When it comes to describing myself, many things spring to mind. I really love being active and my family is important to me. I'm an enthusiastic beach walker, a big fan of dogs and a lover of art. Ever since I was a child, I have lived on the Dutch North Sea coast, not far from the popular holiday island of Texel. Nature, the dunes, the picturesque landscape and the relaxed attitude of the people here have had a powerful influence on me.

My first cancer diagnosis, in my early 40s, was a great shock because I have always led a healthy and active life. However, only the renewed onset of the illness, around six years later, led to the loss of my left leg. My husband found it particularly difficult at the time. Our children were still very young and his biggest fear was that I could die. In contrast, my concern was whether and when I could go jogging again. I also absolutely wanted to become a grandmother.

I was pretty active, even with my first mechanical prosthesis. Then, when I got the Genium, it was as if I'd passed my driver's licence. Changing to this mechatronically controlled joint meant, above all, one thing for me: learning to let go and trust that the knee joint knows what it's doing.

At this time in my life, I couldn't be happier. Thanks to my Genium, I can let off steam and often have more stamina than my friends on hikes. It also enables me to rediscover the world with my grandchildren and finally devote myself to art. I work part-time in a gallery, but also paint myself. I am very proud of my portraits that feature in my relatives' homes. My sister has been especially supportive and we have only gotten closer since my illness.

### Things have never been so good for me

I put on the Genium and don't have to think about anything else — I have reclaimed my life. Simply fantastic.





# Family man with a passion for fishing

My name is Aaron and I am 48 years old. The beautiful state of Minnesota has been my home for all my life. I have a wife of 16 years and three children, two boys and a girl — a very busy household. The boys are into hockey and lacrosse, my 13 year old daughter loves jazz, tap and ballet and dances competitively. After school my wife and I become chauffeurs for the kids — taking them to and from friends' houses, sports practices or dance recitals. A typical day could go from 4 o'clock in the morning until sometimes 10:30 at night — especially during hockey season. Chasing the kids and getting them to their activities has become a second job for us. We have a cabin with a lot of property in Northern Minnesota that we try to get to as often as possible. I like to go out and golf or do a little fishing.

I just accepted a position as manager of consumer engagement where I am really involved with customers. I'm a liaison between the organisation and the consumer because I'm good at connecting with people. I mainly work from home but often travel for work. My ability to connect with people is also very helpful for my other passion. *Wiggle your Toes* is a non-profit organisation I formed about seven years ago.

It assists individuals that have suffered the loss of limbs with recovery and rehab efforts. What I like best about it, is seeing individuals going from the lowest point in their lives, to some of the happiest.

I can hardly believe all the things I achieved since my injury seven years ago. At the time, a speeding car crashed into me while I was changing tyres on the side of a busy highway. It left me in a situation where I had to be amputated bilaterally — above both knees. My biggest fear after the injury was keeping up with my fast paced family. It took almost four months until my body was ready to be fitted with sockets. Even though it was awkward at first, the initial fitting went well. When I was finally fitted with my Geniums they allowed me to reclaim my very busy lifestyle.

On some days I put my legs on at 6 in the morning and sometimes they don't come off before 3 in the morning — depending on what is on. This last week we were in California with my kids for spring break and we were doing 3-4 miles a day — it wasn't an issue. My children really appreciated their Dad keeping up with them and not wanting to go back to the hotel to rest. It was amazing to realise that the technology under me was allowing me to do nearly anything I wanted.

## Time to chill

There are very few times when Aaron is without his family. When he is, he enjoys some peace and quiet and a tasty fish barbeque with his buddy. When bringing in his catch, Aaron doesn't need to worry about water getting on his legs.



*“When we go fishing, I often the first to carry my equipment.”*







*"I go fishing, my buddy's got  
on me. On the contrary: I'm  
first to catch a fish and  
equipment back to the car."*



### **Voluntary commitment deep from the heart**

Another of Aaron's passions is Wiggle your Toes, a non-profit organisation he formed after his injury in 2007. "We started small and have grown significantly. Each year we pick up more sponsors and supporters."









# Genium means freedom

People have been talking about intelligent technologies for a long time. One such technology, which offers users greater freedom and everyday quality of life, is called Genium. The proven mechatronic knee joint was further refined and, based on customer and expert feedback, made even better. Thanks to OPG (optimised physiological gait), it is possible to achieve a demonstrably more natural gait pattern with the Genium. For you as a prosthesis wearer, this means, besides protecting your locomotor system and a natural gait pattern, you can enjoy even more spontaneity and freedom to make decisions in everyday life.

The advantages for you at a glance:

## **Safety**

Significantly reduced risk of tripping due to increased ground clearance and good support on unfamiliar ground.

## **Protection**

Fewer orthopaedic problems thanks to protection of the entire locomotor system.

A symmetrical gait pattern relieves load placed on the knee and hip joint of the unaffected side.

## **Endurance**

Saves energy, especially on slopes, uneven ground and over longer distances.



# Jenny and Aaron ...

... reclaim their strength. Whether with their families, at work, with friends or in their free time — both Jenny and Aaron know exactly what to expect from life.

## Standing stable

Standing, even on slopes

With the intuitive stance function, you can relax while standing without having to think about it. The deliberate stance function provides even better stability. Bilateral amputees in particular, especially value this increase in stability. Secure standing is intentionally activated by you and then ended with a clear signal. So you can stop and start whenever you need to.



## More lifelike than ever before

Genium emphasises your natural appearance

It's hard to miss the fact that Jenny enjoys nature. She doesn't have to think about obstacles or different types of terrain. On the contrary: her concentration is fully devoted to playing with her four-legged friend Noah. The agile dog challenges the head of his family wherever and whenever he can. Whether over gently sloping dunes or in a forest by the coast — the 57-year-old has no trouble keeping up with her dog's playing.

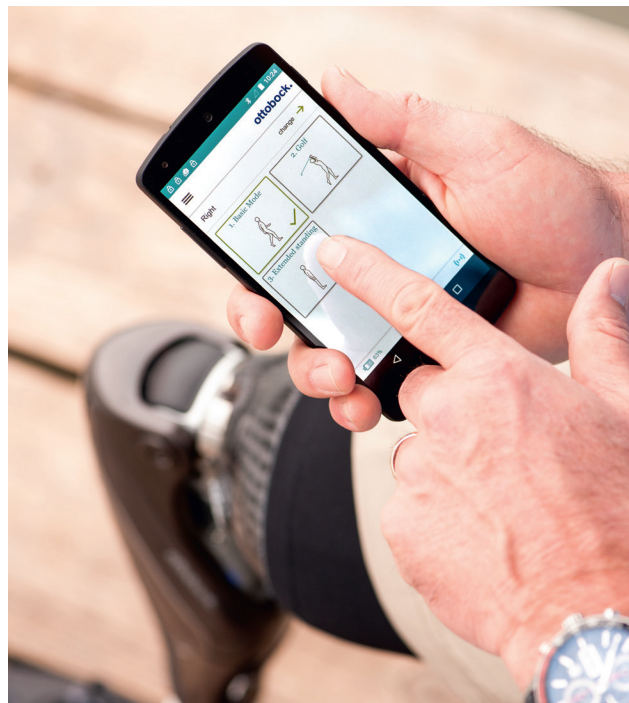


Still unsure whether the intelligent knee joint should be your everyday companion? Four themed areas highlight its unique functionality in detail.

## Intuitive and easy to use

### Cockpit app and battery performance

Do you use your smartphone in everyday life? With the new Genium, the prosthesis and an Android-based smartphone become one unit. Using the Cockpit app, you can quickly and easily decide which of the five modes you would like to activate — depending on your needs. It's also no problem if you ever find yourself on the go for longer periods: the battery in your Genium lasts for approximately five days with average use. It can even be charged through clothing, cosmetic covers and the shape-defining protective cover, using inductive charging.



## Feel free in nearly any situation

### Genium opens up new possibilities for you

An independent life often requires flexibility. Whether you have to step backwards in a crowd at the market, or in the very next moment, have to overcome an obstacle — your Genium “thinks” and provides security. In addition, it possesses a function that allows you to switch from a relaxed walk to a short, fast sprint.





