BIONIC ALUMINIUM EXOSKELETON OFFERS MOBILITY

The recent development of motorized Aluminium exoskeletons has provided mobility for paraplegics. The suit is strapped onto the user's legs and incorporates tilt sensors and motors. The device does not do the walking; its movement is stimulated by the exertion of the user to enhance their ability to walk. Next-generation devices will push new boundaries in mind-body-device control.

Englishwoman Claire Lomas, paralyzed from the waist down after a horse-riding accident in 2006, completed all 26.2 miles of the London Marathon in 16 days using one of these devices.

The requirement for lightweight durable material made Aluminium the obvious choice.