

澳大利亚生物技术协会 澳大利亚医疗技术公司名录



公司信息

公司名称: dorsaVi

主要联系人姓名: Sarah Riseley

主要联系人职位: 营销总监

公司网站地址: www.dorsavi.com

公司地址: Level 1, 120 Jolimont Road, East Melbourne VIC 3002

此公司已上市

公司简介

dorsaVi(ASX:DVL)是一家在澳大利亚证券交易所上市的公司。该公司致力于开发应用在临床、专业体育竞技比赛、职业健康和安全等方面的创新型动作分析设备。dorsaVi 相信通过其可穿戴感应技术,可以实现在非实验室环境下对使用者的动作及姿态进行长达 24 小时的实地实时的精确定量分析。

我们的技术可以被应用于以下三类行业:

临床: ViMove 通过提供客观的评估、院外监测和即时的生物信息反馈来改善对病人的管理。ViMove 已被澳大利亚、新西兰和英国的医疗和专科医院采纳并将在药监局 510K 批准后在美国上市。

专业体育竞技: ViPerform 为教练和医护人员提供客观的证据协助决策,可以被用来筛选专业运动员和团队,或用来判断运动员是否适合参赛。它可以测量生物力学指标并提供现场即时反馈,用来辅助比赛服个性化设计或记录训练数据,可以帮助优化运动员技术和其最佳表现。ViPerform 已在澳洲被澳式足球和国家橄榄球联赛、英国英超联赛俱乐部、澳洲和维多利亚州体育学院、澳洲板球和全球多个奥林匹克团队或运动员所采纳。

职业安全健康: 我们通过将创新、测量和高质量三方面结合起来,降低办公区域的事故和成本,协助企业合规并提高品牌知名度。通过 ViSafe,雇主可以对雇员的受伤风险进行评估,并能客观地测试办公环境、设备和方法的改良方案是否有效。ViSafe 已被大型企业所采纳,这包括 Coles、Woolworths、Toll、丰田、Orora (曾用名 Amcor)、皇冠以及必和必拓。澳大利亚工作场所条例(简称: AWC)通过规范职业健康安全、质量管理体系、公司章程和流程来降低员工的工作风险。

关键技术或领先技术

dorsaVi 合资公司开发了惯性测量单元(IMU)、磁力仪和用来测量表层肌肉运动的肌电图传感器技术。传感器的数据被传输到一个负责记录和反馈的设备(RFD)。该设备可以佩戴在手臂上或携带在口袋里。RFD 可以向个人电脑发送数据，然后这些数据将经过 dorsaVi 软件的处理展示出来。

dorsaVi 的核心技术是一系列的专利算法。它可以过滤并分析传感器的原始数据，并将其与规范对比，从而提供简单易懂信息。这些信息可以被用来评估膝盖的控制、腰部活动范围、腿筋的变化、髌与核心区控制和运动性能。

类别

设备类：

医疗设备和医院用品

其他，请注明：可佩戴传感器

关键或领先技术的发展阶段

产品已上市销售

合作机会

目前 dorsaVi 在寻求以下合作机会：

- 针对哪些寻求提高其表现、最小化伤痛或降低运营成本的专业运动团队、临床机构或大型企业进行销售
- 投资
- 合作分销伙伴
- 在职业安全健康、疼痛和运动医学领域进行科研的机会

Directory of Australian medtech companies



COMPANY DETAILS

Company name: dorsaVi

Key contact name: Sarah Riseley

Job title of key contact: Marketing Director

Company website address: www.dorsavi.com

Company address: Level 1, 120 Jolimont Road, East Melbourne VIC 3002

The company is Listed.

ABOUT THE COMPANY

dorsaVi (ASX:DVL) is an ASX company focused on developing innovative motion analysis device technologies for use in clinical practice, elite sports, and occupational health and safety. dorsaVi believes its wearable sensor technology enables many aspects of detailed human movement and position to be accurately captured, quantified and analysed outside a biomechanics lab, in both real-time and real situations for up to 24 hours.

Our technology has applications across three sectors:

Clinical: ViMove is transforming the management of patients by providing objective assessment, monitoring outside the clinic and immediate biofeedback. ViMove is currently used by medical and allied health practices in Australia, New Zealand and the United Kingdom and is now available in the United States following FDA 510K clearance.

Elite Sports: ViPerform is allowing coaches and medical professionals managing elite athletes and teams to screen athletes and provide objective evidence for decisions on return to play, measure biomechanics and provide immediate biofeedback out on the field, tailor and track training programs and optimise technique and peak performance. ViPerform is being used by AFL and NRL clubs in Australia, clubs in the Barclays Premier League, Australian and Victorian Institutes of Sport, Cricket Australia and various Olympic teams and athletes internationally.

OH&S: We combine innovation, measurement and quality to reduce workplace incidents, costs, meet compliance and improve brand reputation. ViSafe enables employers to assess risk of injury for employees as well as test the effectiveness of proposed changes to workplace design, equipment or methods based on objective evidence. ViSafe has been used by major corporations including Coles, Woolworths, Toll, Toyota, Orora (formerly Amcor), Crown and BHP Billiton. Australian Workplace Compliance (AWC) delivers risk mitigation through compliance to OHS, Quality Management Systems, Company Policy and Process.

KEY OR LEAD TECHNOLOGY

Technology developed by dorsaVi incorporates inertial measurement units (IMU) and magnetometers, as well as electromyography sensors for measuring surface muscle activity. Sensor data is transmitted to a recording and feedback device (RFD), which can be worn on the arm or carried in a pocket. The RFD sends the data to a PC, where it is processed and displayed by the dorsaVi software package.

At the heart of dorsaVi technology are a range of proprietary algorithms that filter and analyse raw sensor data, make comparisons to normative data and provide easy to understand information that can be used to evaluate knee control, lower back range of motion, hamstring activity, hip and core control, and running performance.

Category

Devices:

Medical equipment and hospital supplies

Other, please specify: wearable sensors

Point of development of key or lead technology

Product on the market

OPPORTUNITIES SOUGHT

Currently dorsaVi is seeking the following opportunities:

- Sales into elite teams, clinical practice and large corporations all looking to improve performance, minimise pain & injury and by doing so reduce costs
- Investment
- Distribution partnerships
- Research opportunities in OH&S, pain and sports medicine.