Technology Offer

Human Generated Data Analytics - Data-Driven Health Risks and Performance Management Platform

Summary

A Singapore SME has developed a HGD (Human Generated Data) analytics platform which provides context-specific and actionable intelligence into health, risks status both at individual and team levels. Its data-driven human factors management system helps companies improve operational readiness, lower rate of fatigue-induced incidents and improve staff productivity. The company is seeking to partner SMEs of any sizes in the form of a licensing, research cooperation or services agreement.

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Profile link	

Details

Description

The solutions package offered by the Singapore company comprises:

1. A client bespoke Analytics Platform, which enables mission-specific tasks to be performed more safely, effectively and therefore optimally.

2. A rigorous data collection programme to collect, aggregate and analyse data from wearable devices and other unstructured data sources, in order to evaluate the response of employees to their work requirements and work environment.

3. Advanced Advisory and Consulting Services to allow organisations and their employees, to integrate the analytics into changes and solutions for enhanced efficiency and safety. Including the evaluation of existing programs from data analytics standpoint (healthcare, insurance, training, selection)

The analytics platform offers the following:

1. Customisability according to client needs/objectives;
the solution is capable of aggregating several categories of input and data sets currently in silos within an organisation's human resources department with wearable devices and biometrics.

2. Varied analytics and business intelligence according to industry and specific clients' needs.

Based on clients' goals in specific industries, its platform performs:

i) Advanced analytics and visualisation, identification of patterns and trends across different layers of data sources for individuals and teams, human factors risk/resilience analytics,

system's risk levels from human factors.

ii) Proprietary analytics to isolate correlations from causations and help clients address current human factors' issues and/or highlight new issues and resilience potential gaps.

The company is seeking to partner SMEs of any sizes in the form of a license agreement, research cooperation or services agreement.

Advantages and Innovations

The solution is applicable in several areas, including but not limited to the following:

A. Professional Wellness
- Wellness program tracking and assessment of ROI
- Performance sports competition readiness
- Wellness and fitness optimization
- Enterprise operations effectiveness and productivity
- Training assessment and optimization
- Insurance costs reduction/health

B. Workplace Safety and Task Readiness
- Employee task readiness and training
- Fatigue management
- Shift scheduling optimization
- Team operational management

C. Healthcare
- Patients' responses to surgery and treatment protocols
- Patients' surgery readiness assessment and tracking
- Tele-medicine and remote patients monitoring
- Addiction management enhancement
- Eldercare management
- Staff fatigue-induced risk management
- Shift scheduling and task readiness

Benefits:

1. Access to Employees' Analytics Platform: After a period of baseline assessment and data collection, the client will access a bespoke analytics platform, where the de-identified employees' data will be analysed and visualised, based on various data parameters tailored for each cohort.

2. Analytics on human assets: Advanced analytics based on the collected data. The analysis of employees data alongside other organizational data of each team, allow an Organization to have an objective and quantified understanding of essential factors impacting workforce performance, health and sustainability and costs.

3. Workforce Task Readiness Intelligence: The outcomes of this analysis function provides comparable Workforce Readiness Indices for teams across the organisation

4. Increase in Productivity and Performance: With Advisory Services, the client establishes the functioning status of its workforce and can effect changes to work processes for enhanced productivity, health outcomes and costs management.

Stage of Development

Already on the market

IPR Status

Patents granted

Profile Origin

Other

Keywords

Technology

01003006	Computer Software
01003008	Data Processing / Data Interchange, Middleware
01003013	Information Technology/Informatics
01004001	Applications for Health
01005005	Information Filtering, Semantics, Statistics

Market

02006004	Data processing, analysis and input services
02006005	Big data management
02007006	Other system software

NACE

J.62.0.9	Other information technology and computer service activities

Open for EOI : Yes

Dissemination

Send to Sector Group

ICT Industry and Services

Client

Type and Size of Organisation Behind the Profile

Industry SME 11-49

Year Established

0

Already Engaged in Trans-National Cooperation

Yes

Languages Spoken

English

Client Country

Singapore

Partner Sought

Type and Role of Partner Sought

The Singapore company seeks to work with SMEs of any sizes in a licensing, research cooperation or services agreement partnership.

The partner sought could be a solutions provider for the healthcare and wellness industries that is keen to:

- license the technology to offer it as a product or service to its clients or

- undertake joint R&D with the Singapore company to further develop the product to possibly launch a new product that can cater to specific market needs or

- undertake a services agreement partnership where the Singapore company could provide services support to the solutions provider and its clients.

Type and Size of Partner Sought

SME 11-50,SME <10,SME 51-250

Type of Partnership Considered

Services agreement
License agreement
Research cooperation agreement