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2018-2023 Global Brain Machine Interfaces Market Report (Status and Outlook)

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Abstracts

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In this report, LP Information studies the present scenario (with the base year being 2017) and the growth prospects of global Brain Machine Interfaces market for 2018-2023.

A brain–computer interface, sometimes called a neural-control interface, mind-machine interface, direct neural interface, or brain–machine interface, is a direct communication pathway between an enhanced or wired brain and an external device.
A brain computer interface (BCI) is a revolutionary system that facilitates a direct communication pathway between a functional brain and peripheral electronic devices that are used to calibrate the movement in physically challenged individuals. A brain computer interface system records the brain signal from the surface of the cortex, through signaling devices implanted within the brain or from the sensors placed over the scalp.
These signals are then transmitted to the connected peripheral device that enables the operator to perform numerous tasks. With the help of a brain computer interface system, the paralyzed and handicapped individuals can overcome their physical challenges and perform various day-to-day tasks. The primary function of a brain computer interface device is to intercept the electrical signals that pass between the neurons and transmit them to an external device. Brain computer interface (BCI) is also referred to as a brain machine interface (BMI), direct neural interface (DNI), or mind machine interface (MMI).
Numerous technological developments in the field of computation, human sensing, along with the application of brain computer interface technology for entertainment, gaming, communication, and control, are some of the major factors that drive the growth

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of the brain computer interface market size. Intensive research carried out to develop a cure for paralyzing brain disorders and injuries is likely to boost the brain computer interface market. However, the ethical problem faced during the research, i.e. use of brain computer interface on patients whose informed consent cannot be obtained, can act as a restraint for the brain computer interface industry.
Over the next five years, LPI(LP Information) projects that Brain Machine Interfaces will register a xx% CAGR in terms of revenue, reach US$ xx million by 2023, from US$ xx million in 2017.

This report presents a comprehensive overview, market shares and growth opportunities of Brain Machine Interfaces market by product type, application, key companies and key regions.

To calculate the market size, LP Information considers value generated from the sales of the following segments:

Segmentation by product type:

Invasive

Non-invasive

Segmentation by application:

Communication and control

Gaming and entertainment

Smart home control

Others

We can also provide the customized separate regional or country-level reports, for the following regions:

Americas

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Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

The report also presents the market competition landscape and a corresponding detailed analysis of the major players in the market. The key players covered in this report:

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Nihon Kohden Corporation

Mind Solutions Inc.

Advanced Brain Monitoring, Inc.

Quantum Applied Science and Research, Inc.

Cadwell Laboratories Inc.

OpenBCI

Cortech Solutions, Inc.

NeuroSky, Inc.

Emotiv, Inc.

Guger Technologies OEG

In addition, this report discusses the key drivers influencing market growth, opportunities, the challenges and the risks faced by key players and the market as a whole. It also analyzes key emerging trends and their impact on present and future development.

Research objectives

To study and analyze the global Brain Machine Interfaces market size by key regions/countries, product type and application.

To understand the structure of Brain Machine Interfaces market by identifying its various subsegments.

Focuses on the key global Brain Machine Interfaces players, to define, describe and analyze the value, market share, market competition landscape, SWOT analysis and development plans in next few years.

To analyze the Brain Machine Interfaces with respect to individual growth

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trends, future prospects, and their contribution to the total market.

To share detailed information about the key factors influencing the growth of the market (growth potential, opportunities, drivers, industry-specific challenges and risks).

To project the size of Brain Machine Interfaces submarkets, with respect to key regions (along with their respective key countries).

To analyze competitive developments such as expansions, agreements, new product launches and acquisitions in the market.

To strategically profile the key players and comprehensively analyze their growth strategies.

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Contents

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7 EUROPE

8 MARKET DRIVERS, CHALLENGES AND TRENDS

9 KEY INVESTORS IN BRAIN MACHINE INTERFACES

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10 KEY PLAYERS ANALYSIS

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List Of Tables

LIST OF TABLES AND FIGURES

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