

# Riding the Roller-Coaster

In 2014 Vivek Wadhwa,\* presented “*Get Ready for The Next Wave of Tech Disruptions*” in which he outlines a number of personal observations, the last month we had a look at his view of the future of World Manufacturing.

Here is a further edited extract from his talk:

Changes in technology are happening at a scale which was unimaginable before and will cause disruption in industry after industry. This has really worried me, because we are not ready for this change and most of our leading companies won't exist 15-20 years from now.

Part two covers: **Finance & Health Care**

## 2. The Reinvention of Finance

We are already witnessing a controversy over Bitcoin. Many technology and retail companies are supporting it. Crowdfunding is shaking up the venture-capital industry and making it less relevant because it provides start-ups with an alternative for raising seed capital. We will soon be able to crowdfund loans for houses, cars, and other goods. With card less transactions for purchasing goods, we won't need the types of physical banks and financial institutions that we presently have. Banks in the United States (and Australia) seem to be complacent because they have laws protecting them from competition. But our laws don't apply in other countries. We will see innovations happening abroad which disrupt industries in the United States (and Australia).

## 3. HEALTH CARE

Apple recently announced Health kit, its platform for health information. It wants to store data from wearable sensors that will soon be monitoring our blood pressure, blood oxygenation, heart rhythms, temperature, activity levels, and other symptoms. Google, Microsoft, and Samsung will surely not be left behind and will all compete to provide the best health-data platforms. With these data, they will be able to warn us when we are about to get sick. AI-based physicians will advise us on what we need to do to get healthy.

Medical-test data, especially in fields such as oncology, is often so complex that human doctors cannot understand it. This will become even more difficult when they have genomics data to correlate. Over the last 15 years, the cost of human genomics sequencing has dropped from billions to about a thousand dollars. At the rate at which prices are dropping, the cost of sequencing will be close to zero in a few years and we will all have our genomes sequenced. When you combine these data with the medical-sensor data that the tech companies are collecting on their cloud platforms, we will have a medical revolution. We won't need doctors for day0to day medical advice any more. Robotic surgeons will also do the more sophisticated surgeries. We're going to disrupt the entire health-care system.

## NEXT MONTH VIVEK'S VIEW : THE ENERGY INDUSTRY

\*Vivek Wadhwa is a fellow at Rock Center for Corporate Governance at Stanford University, director of research at Center for Entrepreneurship and Research Commercialization at Duke, and distinguished fellow at Singularity University. His past appointments include Harvard Law School, University of California Berkeley, and Emory University.



## Upcoming floats and listings

### ALT Resources Limited

**ALT  
TBA**

**Alt Resources Limited** is an Australian based mineral exploration company incorporated in April 2014 to acquire a 70% interest in tenements held by GFM Exploration Pty Ltd (GFM). GFM is the registered holder of four tenements located in the south-east Lachlan Orogen in New South Wales.

### Soon Mining Limited

**SMG**

**16 October 2015**

Soon Mining Limited is a gold mining company registered in Australia. Its flagship operation is the Kwahu Praso Gold Concession, located in the Eastern Region of Ghana, with Soon Mining owning 100% right of the project.