



INDUSTRIAL TECHNOLOGIES

INFORMATION & INDUSTRIAL TECHNOLOGIES

In addition to our in-house technologies, we extend our services to include implementation of various industrial technologies offered by major international technology providers.

Over the years, Tech-Savy Advisory Bureau (TSAB) has established alliances with best-in-class technology companies around the globe and strong partnerships with providers of some unique technologies such as Rebellion Photonics, VideoRay, and HPWinner. We have profound collaboration with KFUPM for the transfer of some of these vital technologies to the local market.

Our initial technology transfer efforts center on localization of maintenance and assembly of targeted technologies and development of national expertise.





GAS DETECTION/ IMAGING SOLUTIONS

We partner with Rebellion Photonics, USA (RP), to provide advanced gas detection/ imaging technologies, which have many advantages over the ones currently available in the market. This allows our clients to achieve a higher return on investment and a much better efficiency. Some of the key advantages of our cameras can be summarized as follows:

- Coverage: while most cameras available in the market have a coverage range of several meters, the range of our cameras is 1700 m and therefore, can replace a huge number of traditional cameras.
- Maintenance & Calibration: RP cameras are the only self-calibrating cameras in this category and have minimal technical defects & maintenance fees.
- Endurance: Rugged cameras that can be used both indoors as well as outdoors.



- Accuracy: RP cameras reach accuracy as high as 97% after initial calibration and could come close to this accuracy even before calibration.
- RP is the only imaging camera that can both image and quantify gas leaks at the same time. No false alarms!

Awards and prizes granted to RP technology:

- 2013 Wall Street Journal Startup of the Year
- 2012 R&D 100 Award
- 2011 Prism Award Finalist
- 2010 Goradia Innovation Prize



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REMOTELY OPERATED VEHICLES

TSAB is the exclusive agent of VideoRay LLC, USA, in Saudi Arabia. VideoRay is the largest volume producer of Underwater ROVs (Remotely Operated Vehicles) in the world. VideoRay has established itself as the worldwide leader in observation class ROVs. Underwater accessory manufacturers now develop their sensors around the size and payload capacity of VideoRay's.

VideoRay Underwater Remotely Operated Vehicles - ROV - are lightweight, portable, affordable, and extremely capable ROV solutions for underwater filming, inspection, surveillance, recovery, etc. For further information about these technologies,



Missions:

- Offshore
- Military
- First Responders
- Science & Research
- Agriculture
- Infrastructure
- Salvage
- Energy



HIGH-POWER LED LIGHTING SOLUTIONS

Our partner, HPWINNER, is an ambitious company that is becoming a worldwide leader in high-power LED lighting industry. Since its establishment in July, 2011 by Mr. Kai Chen, an innovative entrepreneur from the Ministry of Science and Technology of China, HPWINNER has been rapidly developing its business all over the world. It ranked the second in Top-10 Chinese LED Street Light companies in both 2013 and 2014. They call it “HPWINNER Phenomenon”.

Over 100 of 400 employees constitute the design team, each graduated from well-known universities in China and overseas in the areas of optics, thermodynamics, industrial design, electrical engineering, information engineering, the arts, etc. The abilities of this powerful team give HPWINNER unmatched technical strengths that have allowed it to apply for over 500 domestic patents. On average, the company applies for over one patent per week, and that speed is increasing. Therefore, it offers a secure backing for clients' intellectual properties.

One-stop services not only need to be brimming with innovation, but also to pay attention to each detail and provide careful craftsmanship. HPWINNER owns a strong design and R&D force, but its biggest strength also lies in the ability to mass-produce in a short time.

STOCK CODE
833888 **HPWINNER**
LIGHT UP THE ROAD TO THE FUTURE



The production department is currently able to create 30,000 modules and 6,000 luminaires per day.

HPWINNER is now the NO. 1 strategic partner of Lumileds (Top 4 chips suppliers) in high-power LED components.

From the production materials, production of core components, down to the assembly lines, all the way to quality inspection, packaging, storage, and logistics, each process is methodically done in the pursuit of perfection.



TECHNOLOGY GAP ANALYSIS, SELECTION, & TRANSFER

Due to its multidisciplinary management team who possesses a wealth of contacts and close relationships with developers of wide-range technologies in Europe, North America, and SE Asia, TSAB is in a good position to help our clients fill their technology gaps in a timely and efficient manner.

We have successfully worked with our clients in exploring, identifying, and implementing unique technologies that enormously transformed their business processes and helped achieve their operational goals.



TSAB Business Model:

- Partner with clients to identify current and future technological demands in the local market.
- Source the best-in-class technologies in the world.
- Build lasting and healthy relations with technology providers that protect customers' interests and ensure effective technology transfer.
- Jointly work with technology partners to set up local maintenance operations that are scalable to assembly and manufacturing units.
- Collaborate with local research institutes to contribute in building a vibrant technology base.
- Promote intensive scientific and technical training and adopt an efficient nationalization program to ensure the retention of acquired knowledge and expertise and sustain growth.
- Avoid being another traditional agency!



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