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# Hong Kong ICT Awards 2023: Smart Business Award
## Recognises 15 Outstanding Talents for their Creative ICT Solutions
"Revolutionizing Quality Control and Assurance in the Construction Industry Using AI" by
Optix Solutions Limited / MTR Corporation Limited won Grand Award and
Gold Award of Emerging Technologies

**3 November 2023, Hong Kong –** The Hong Kong ICT Awards 2023: Smart Business Award Presentation Ceremony was successfully held at Hong Kong Convention and Exhibition Centre today, with 15 outstanding winners being recognised for developing innovative and cost-effective solutions that serve the needs of private and public enterprises. Optix Solutions Limited / MTR Corporation Limited, the winner of "Smart Business (Emerging Technologies) Gold Award", was conferred the Grand Award of this award category for its "Revolutionizing Quality Control and Assurance in the Construction Industry Using AI" project.

This marks the 17 consecutive years since Hong Kong Computer Society (HKCS) has been appointed by Office of the Government Chief Information Officer, The Government of the HKSAR (OGCIO) as the host and leading organisation of the 'Smart Business Award'. As the host of this award category, HKCS has played a pivotal role in appraising award entrants for their ability to deploy information technologies for day-to-day 'smart' business application.

Dr. Rocky Cheng, President of the Hong Kong Computer Society expresses his hearty congratulations to all winners. "On behalf of HKCS, I would like to congratulate those award winners for their hard-earned success. They had undergone strict assessment, judgment and inspection, and outperform many other standing creative products. I believe those winners of this year will continue to make substantial contribution to the ICT industry development in the future."

The Smart Business Award category with three different streams: Solution for Business and Public Sector Enterprise, Solution for SME and Emerging Technologies. There are 15 winners and one Grand Award winner being selected among them.

This year's Grand Award and "Smart Business (Emerging Technologies) Gold Award went to "Revolutionizing Quality Control and Assurance in the Construction Industry Using AI" by Optix Solutions Limited / MTR Corporation Limited. The product is an advanced AI text analytics tool designed to automate the approval process with exceptional accuracy, emulating the judgements of industry professionals. With its high standards and revolutionary breakthrough, the solution is set to transform quality assurance in the construction industry. The tool's statistical and knowledge-driven techniques facilitate comprehensive evaluation of the inspection records. Its self-learning capacity drives continuous capability enhancement for analyzing complex technical content with immense variances. Extensive field-testing with the use of thousands of site inspection documents has demonstrated the tool's immense reliability and promise. These smart and intelligent features assure risks are mitigated, efficiency is boosted, and quality standards are elevated to new heights.

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List of winners for "Hong Kong ICT Awards 2023: Smart Business Award"

| Entry | Organisation | Award |
|---|---|---|
| **Hong Kong ICT Awards 2023: Smart Business Grand Award** | | |
| Revolutionizing Quality Control and Assurance in the Construction Industry Using AI | Optix Solutions Limited / MTR Corporation Limited | Grand Award |
| **Hong Kong ICT Awards 2023: Smart Business (Solution for Business and Public Sector Enterprise) Award** | | |
| Hospital Command Centre | Hospital Authority | Gold Award |
| Autonomous Air-ground Cooperative Tunnel Inspector | Hong Kong Productivity Council / Civil Engineering and Development Department / Hyder-Meinhardt Joint Venture | Silver Award |
| Light-weight Adaptive IoT Intrusion Detection and Prevention System (IDS/IPS) enabled by AI | Hong Kong Applied Science and Technology Research Institute Company Limited / Electrical and Mechanical Services Department | Bronze Award |
| Cityray Workforce Management and Benefits Solution for Hotel Industry | Cityray Technology (China) Limited | Certificate of Merit |
| EVENT 3.0 - Events & Exhibitions System | EPISODE Limited | Certificate of Merit |
| **Hong Kong ICT Awards 2023: Smart Business (Solution for SME) Award** | | |
| eRun Total Experience Solution for Retail SMEs | eRun Systems Limited | Gold Award |
| VHSHUB | Harvest Elite International Limited | Silver Award |
| Moovup | Moovup (HK) Limited | Silver Award |
| C.STAR Digital Service for Global Trade | Castlers Software Company Limited | Certificate of Merit |
| iMBrace | iMBrace Limited | Certificate of Merit |
| **Hong Kong ICT Awards 2023: Smart Business (Emerging Technologies) Award** | | |
| Revolutionizing Quality Control and Assurance in the Construction Industry Using AI | Optix Solutions Limited / MTR Corporation Limited | Gold Award |
| PandaOmics | Insilico Medicine Hong Kong Limited | Silver Award |
| XenseRay - Wire Rope Supervisory System | XenseTech Limited | Silver Award |
| MediaLens | MediaPlace Limited | Certificate of Merit |
| Public Security Abnormal Detection System using Artificial Intelligent MGF Network | Sport AI Lab, Department of Electrical and Electronic Engineering , The University of Hong Kong | Certificate of Merit |

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The Judging Panel of HKICT 2023: Smart Business Award commented the Grand Award winner, 'Revolutionizing Quality Control and Assurance in the Construction Industry Using AI', demonstrates good use of technology elements through an analytical framework that integrates AI (classification, NLP), probability analysis and recommendation engine. In essence, its main function is to examine Request for Inspection/Survey Check (RISC) Forms and ascertain if the overall assessment (such as pass or fail) is in alignment of the detailed assessment/observations made by front-line workers and supervisors. Market potential is good as it can be applied to all types of projects that involve monitoring and reporting of quality assessment through RISC Form.

"Hospital Command Centre" (HCC) developed by Hospital Authority, the winner of Hong Kong ICT Awards 2023: Smart Business (**Solution for Business and Public Sector Enterprise**) Gold Award, was launched in June, 2021. It is one of the flagship Smart Hospital initiatives that focuses on leveraging data to provide situation awareness and operational intelligence to enhance operational efficiency, service quality and patient experience throughout the entire patient journey. From patients' arrival at the Accident & Emergency (A&E) to admission, ward stay, transfer to Convalescence/ Rehabilitation (C/R) Hospitals or discharge, the HCC provides timely and accurate information to support decisions; and therefore improves patient-centric service and outcomes. The HCC consolidates scattered data and manual records into electronic dashboards, in a real-time manner, providing valuable insight to facilitate staff collaborative work.

Gold Award winner in Hong Kong ICT Awards 2023: Smart Business (Solution for SME) Award category went to "eRun Total Experience Solution for Retail SMEs" of eRun Systems Limited. The solution is a total experience solution for SMEs to engage with customers on multi-channels, run on any platforms and apply to any retail businesses. It runs totally on cloud, or local, or hybrid so that the solution can be accessed anytime anywhere. It provides comprehensive API functions for linking up any third party applications such as payment gateways, ERP and order platforms as well as provides real time information for management. Furthermore, it offers green practices such as e-receipts, e-payments, and kitchen display systems, helping retailers save costs and improve public image. And it protects customer sensitive data with highly secured encryption.

Mr. Wilson Ching, Chairperson of the Organising Committee of HKICT Awards 2023: Smart Business Award said, "The Hong Kong ICT Awards has been running for over ten years, backed by enthusiastic support from the government, industry associations, professional bodies and the academia. It is wonderful to see the award going from strength to strength over the years, as can be witnessed from the high caliber of entries we have received this year."

Professor S. Joe Qin, President of Lingnan University as well as Chairperson of Judging Panel said, "We are extremely pleased to see such strong participation in the Awards this year, especially in the Smart Business Award category. Finally, 15 winners were selected based on their success in meeting five judging criteria, including creativity, functionality, market potential, impact and quality."

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Winners in this year's Hong Kong ICT Awards will have chance to be considered and nominated by HKCS into the Asia Pacific Information and Communication Technology Alliances (APICTA) Awards, which will be held again in Hong Kong this December, and represent Hong Kong in competing against other Asian economies.

As the host of this acclaimed award for over a decade, Dr. Rocky Cheng believes that the HKICT Awards play an important role in encouraging local ICT innovations that enhance business efficiency and productivity, ultimately boosting the city's competitiveness.

However, Dr. Rocky Cheng emphasises that achieving these objectives will require the continued collaborative efforts of industry, academia and government. "Looking ahead, I believe that our joint efforts will continue to be crucial for encouraging participation on a territory-wide level, and to provide more opportunities for Hong Kong ICT talents to showcase their prowess on the international stage."

For the product summaries of Grand Award and Gold Award winners, please refer to the accompanying Appendix.

**About "Hong Kong ICT Awards: Smart Business Award"**

The Hong Kong ICT Awards were established in 2006 with the collaborative efforts of the industry, academia and Government. Steered by the Office of the Government Chief Information Officer (OGCIO), and organised by Hong Kong ICT industry associations and professional bodies, the Awards aims at building a locally espoused and internationally acclaimed brand of ICT awards.

The "Hong Kong ICT Awards: Smart Business Award" (formerly known as "IT Excellence Awards") was first established in 1998 by Hong Kong Computer Society, and has become a well-recognised award in Hong Kong. This annual event has become a great platform for encouraging the use of ICT, to stimulate innovation and competitiveness in the ICT industry and to raise public awareness of ICT application development.

For more details about the Award, please visit http://www.hkcs.org.hk/ictawards

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## About the Hong Kong Computer Society (HKCS)

Founded in 1970, the Hong Kong Computer Society (HKCS) is a recognised non-profit professional organisation focused on developing Hong Kong's Information Technology (IT) profession and industry. Their members come from a broad spectrum of Hong Kong's IT community, from corporations to like-minded individuals, all coming together to raise the profile and standards of the IT profession and industry. As a well-established IT professional body, the Society is committed to professional and industry development as well as community services to ensure the IT sector continues to make a positive impact on peoples' lives with three main goals, namely, 1) talent cultivation and professional development, 2) industry development and collaboration, and 3) the effective use of IT in our community. For more details, please visit http://www.hkcs.org.hk.

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**Appendix:**
**Product Summaries of "Hong Kong ICT Awards 2023: Smart Business Award"**
**Gold Award Winners**

**"Hong Kong ICT Awards 2023: Smart Business Grand Award" and "Smart Business (Emerging Technologies) Gold Award" –**
**Optix Solutions Limited / MTR Corporation Limited**
**Revolutionizing Quality Control and Assurance in the Construction Industry Using AI**

The product is an advanced AI text analytics tool designed to automate the approval process with exceptional accuracy, emulating the judgements of industry professionals. With its high standards and revolutionary breakthrough, It is set to transform quality assurance in the construction industry. By harnessing the remarkable capabilities of artificial intelligence and natural language processing, this pioneering tool enables fully automated, real-time, unaided, and unbiased analysis of every site inspection document to identify potential issues and discrepancies.

This tool eliminates human vulnerabilities that have long plagued manual assurance processes, including biases, fatigue, and distraction. Critical inspection records will no longer be subject to errors arising from human limitations. The tool's statistical and knowledge-driven techniques facilitate comprehensive evaluation of the inspection records. Its self-learning capacity drives continuous capability enhancement for analyzing complex technical content with immense variances. These smart and intelligent features assure risks are mitigated, efficiency is boosted, and quality standards are elevated to new heights.

Extensive field-testing with the use of thousands of site inspection documents has demonstrated the tool's immense reliability and promise. The pioneering capabilities honed in this tool can be adapted to streamline assurance processes across different industries like safety audits, insurance claims, and more, enabling organizations to improve the assurance outcomes, enhance productivity, and extract deeper insights at scale.

As a locally developed and cost-effective innovation, this tool signifies a momentous achievement set to deliver enormous value. It represents a technological advancement that will fundamentally shape assurance processes at an affordable price with an overall outcome that will benefit organizations and the society as a whole. This AI text analytics tool ushers in the future of assurance.

**Hong Kong ICT Awards 2023: Smart Business (Solution for Business and Public Sector Enterprise) Gold Award**
**Hospital Authority**
**Hospital Command Centre**

The Hospital Authority has been actively developing Smart Hospitals with a strong focus on innovation and technology adoption. Hospital Command Centre (HCC) is one of the flagship Smart Hospital initiatives that focuses on leveraging data to provide situation awareness and operational intelligence to enhance operational efficiency, service quality and patient experience throughout the entire patient journey. From patients' arrival at the Accident & Emergency (A&E) to admission, ward stay, transfer to Convalescence/ Rehabilitation (C/R) Hospitals or discharge, the HCC provides timely and accurate information to support decisions; and therefore improves patient-centric service and outcomes.

The three functional areas of HCC, namely clinical, capacity and resource management, monitor patient and related resources in real-time to assist staff in making rapid and informed decisions. The HCC consolidates scattered data and manual records into electronic dashboards, in a real-time manner, providing valuable insight to facilitate staff collaborative work.

Queen Elizabeth Hospital (QEH) was the first hospital to implement the HCC, which has achieved significant outcomes. These include the reduced average discharge processing time from QEH to C/R Hospitals by 29% (from 3.5 hours to 2.5 hours) and A&E admission waiting time by 24% (from 9.9 hours to 7.5 hours). The HCC not only enhances intra and inter-hospital operational intelligence and efficiency, but also improves patient experience, successfully driving digital healthcare transformation.

**Hong Kong ICT Awards 2023: Smart Business (Solution for SME) Gold Award**
**eRun Systems Limited**
**eRun Total Experience Solution for Retail SMEs**

The objective of eRun Total Experience Solution for Retail SMEs is to provide SMEs with enterprise-level solution in an affordable price so as to free them up to concentrate on vital business activities.

eRun's Retail Management Solution (RMS) for SMEs has the following characteristics:

- It is a total experience solution that lets retailers engage with customers on multichannels;
- It carries the same UI on any device customers or employees use;
- It runs on any platforms : Windows, iOS, Android and Harmony OS;
- It applies to any retail businesses : all nature of retail business, F&B, and mixed mode of food+retail or retail+food;
- It runs totally on cloud, or local, or hybrid so that the solution can be accessed anytime anywhere;
- It provides comprehensive API functions for linking up any third party applications such as payment gateways, ERP and order platforms;
- It provides real time information for SME managements to make sound decision efficiently;
- It is absolutely user friendly, we offer the best floor plan in the market and the most informative dashboard in town;
- It offers green practices such as e-receipts, e-payments, and kitchen display systems, helping retailers save costs and improve public image;
- It protects customer sensitive data with highly secured encryption

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