



EMBEDDING IMMERSIVE DIGITAL LAYER FOR GREATER BUSINESS CAPACITY

23<sup>rd</sup>-24<sup>th</sup> January 2019  
GTower Hotel Kuala Lumpur, Malaysia

# DIGITAL TWINS

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***“The concept of the digital twin, a software model of a physical entity, will make it possible to manage systems more precisely than we now can imagine”***

- Bill Ruh, CEO, GE Digital

## EVENT OVERVIEW

The immense growth of automation has paved its way towards digital visualization that opens the door for greater possibilities, Digital Twins has made its way into the picture. The digital twins' market was valued at USD 1.82 Billion in 2016 and is expected to reach USD 15.66 Billion by 2023, at a CAGR of 37.87% during the forecast period. The base year considered for the study is 2016, and the forecast for the market size is provided for the period between 2017 and 2023. The unique technology is arrayed to create disruption in numerous industries around the globe

Digital twins drive the impact of the Internet of Things (IoT) by providing a dynamic way to check and control assets and processes. Thomas Kaiser, SAP Senior Vice President of IoT, says, "Digital twins are becoming a business imperative, covering the entire life-cycle of an asset or process and forming the foundation for connected products and services. Companies that fail to respond will be left behind." Hence, Digital Twins develop enhancements to existing products, operations, and services, and can help stimulate innovation into new businesses.

Championing the forefront innovations of predictive analytics and seamless asset maintenance through wide-ranging digital monitoring. **Trueventus' Digital Twins** provides the platform to acknowledge potentials in bringing significant values towards revamping the entire product value chain through digital layer, forming well-documented methods for producing and modifying the assets, making sure a long-term product life cycles, and to leverage data from numerous sources for business profitability.

## WHY YOU CANNOT MISS THIS EVENT

- Identifying significant trends and factors needed in visualizing products in use, by real users, in real-time
- Analyzing the opportunities in the market towards building digital twins, connecting disparate systems and promoting traceability
- Maneuvering each submarket of enterprises' growth and contribution, refining assumptions with predictive analytics
- Focusing on competitive developments such as expansions, agreements, new product launches, and acquisitions in the digital twins' landscape
- Recognizing the key aspects in managing complications and correlation within systems-of-systems

## WHO SHOULD ATTEND?

This event is targeted but not limited to:

- CEO
- Chief Technology Officer
- Chief Digital Officer
- Chief Information Officer
- Chief Information Security Officer
- Chief Data Officer
- Chief Analytics

VPs/ Directors/ Heads of:

- Technology
- Digital Operation
- Analytics
- Investment
- Innovation

From the following industries:

- Critical Key Public Infrastructure
- Automotive
- Aviation
- Chemicals
- Healthcare
- Heavy Manufacturing
- Semiconductor
- Manufacturing
- Mining
- Oil & gas
- Power & utilities
- Renewable energy

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## SILVER SPONSOR



Software AG (Frankfurt TecDAX:SOW) helps companies with their digital transformation. With Software AG's Digital Business Platform, companies can better interact with their customers and bring them on new 'digital' journeys, promote unique value propositions, and create new business opportunities. In the Internet of Things (IoT) market, Software AG enables enterprises to integrate, connect and manage IoT components as well as analyze data and predict future events based on Artificial Intelligence (AI). The Digital Business Platform is built on decades of uncompromising software development, IT experience and technological leadership. Software AG has more than 4,500 employees, is active in 70 countries and had revenues of €879 million in 2017.

<https://www.softwareag.com>

## ASSOCIATE PARTNERS



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## FEATURING PRESENTATION AND CASE STUDIES BY DISTINGUISHED SPEAKERS



**Sachin V. Rathi**  
Vice President – Siemens MindSphere IoT – Ecosystem, Alliances and Partnerships –APAC  
**Siemens, Singapore**

Speaking on: Accelerating digital twin with Machine Learning platform (ML)/(NLP)



**Kenneth Andersson**  
Head of Innovation & Product Transformation  
**AirAsia, Malaysia**

Speaking on: The Rise of the Digital Twin: Using digital manoeuvre for greater physical operability



**Fadhi Hamsani**  
Digital Transformation Senior Manager  
**Schneider Electric, Indonesia**

Speaking on: Structuring greater digital twin eco-system with Artificial Intelligence (AI) and Machine Learning



**Vijaykumar Dayinde**  
Head of Data Science and Solutions  
**Celcom Axiata Berhad, Malaysia**

Speaking on: Leveraging Big Data and AI - Data Monetisation to foresee the common pitfalls and setting up a successful transformation in Telecom



**Jing Yi Chan**  
IBM Q (Quantum Computing) Ambassador, Systems Solutions Specialist  
**IBM, Malaysia**

Speaking on: Utilizing Reliable Digital Twins for Enterprise Asset Tracking with a Quantum Future



**Daniel Angelucci**  
Chief Technology for Asia  
**DXC Technology, Singapore**

Speaking on: Using Digital Twins to Better Build and Deliver Services for your Customers



**Muhammad Shuja**  
Principal Cloud Solution Engineer  
**Oracle, Malaysia**

Speaking on: Disrupting real-time customer services through autonomous cloud Services



**Jason Kok**  
Managing Director  
**AppSmiths® Technology, Malaysia**

Speaking on: Putting a Mind on Machine: Disrupting Oil & Gas operation through Digital Twins



**Alan Tan**  
Solution Architect, Software & Analytics  
**GE Digital, Singapore**

Speaking on: Understanding the implementation of digital twin's conceptual architecture for enterprise



**Sridhar Nagarajan**  
Director, Engineering & Strategy, Technology & Operations  
**NXP Semiconductors, Singapore**

Speaking on: Finding the added values of digital twins in optimizing business objective



**Ashley Fernandez**  
Head, Data Science & Analytics  
**Huawei Technologies, Malaysia**

Speaking on: Strengthening digital twin implementation through cloud-based platform



**Jason Lo**  
Board of Director  
**TuneTalk, Malaysia**

Speaking on: Achieving seamless telco's network planning and design digital twin-based network modelling



**Herve Jarry**  
Chief Technical Officer  
**Thales Solutions Asia, Singapore**

Speaking on: Outlining inclusive guide for senior manager towards procuring predictive maintenance technology



**Leonard Jayamohan**  
Director - Social Innovation, Digital Transformation, IoT and Big Data Sales Asia Pacific  
**Hitachi Consulting, Singapore**

Speaking on: Building an IIoT Data Platform for Digital Twin



**Tan Chee Hon**  
Head of Strategic B2B Development  
**Panasonic, Malaysia**

Speaking on: Looking into technologies and lifestyle experiences transcending between virtual and reality



**Dr. Wilson Oon**  
Division Manager  
Instrumentation Systems Division, Advanced Business Unit  
Training and Simulation Systems, Electronics  
**ST Engineering, Singapore**

Speaking on: Using Augmented Reality solution to enhance operational and maintenance activities through the digital layer

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## Day One: Wednesday, 23<sup>rd</sup> January 2019

0830 **Registration & coffee**

### 0900 **Session One**

#### **The Rise of the Digital Twin: Using digital manoeuvre for greater physical operability**

- Grasping opportunity to create a digital version of a business' full set of assets and equipment
- Using digital twins and IoT sensor to create a virtual replica for the purpose of experimentation
- Accelerating businesses to determine ways to improve operations, design, and test products with optimized cost of investment

**Kenneth Anderson** Head of Innovation & Product Transformation  
**AirAsia, Malaysia**

### 0945 **Session Two**

#### **Finding the added values of digital twins in optimizing business objective**

- Utilizing data and artificial intelligence to create digital twins that leads towards change and update on a continuous basis, giving real-time simulation
- Creating new business models, offer differentiated services, and maintain consistency to compete both globally and locally
- Minimizing product, asset, and supply chain complexity to maximize quality and performance

**Sridhar Nagarajan** Director, Engineering & Strategy, Technology & Operations  
**NXP Semiconductors, Singapore**

1030 **Morning refreshment**

### 1100 **Session Three**

#### **Understanding the implementation of digital twin's conceptual architecture for enterprise**

- Gaining a holistic perspective to better manage risk and safety using digital twins' platform
- Broadening external networks to enhance partner collaboration and accelerate business profit with digital twins' system
- Collecting real-time data to accelerate and improve decision making and boosting business performance through digitisation

**Alan Tan** Solution Architect, Software & Analytics  
**GE Digital, Singapore**

### 1145 **Session Four**

#### **Leveraging Big Data and AI - Data Monetisation to foresee the common pitfalls and setting up a successful transformation in Telecom**

- Identifying the lifecycle of transformation and its triggers, success factors & industry experiences
- Exploring the digital twin approach to tower monitoring using Drones and Computer Vision
- Enabling data monetisation to leverage data argumentation with third party for a new revenue stream

**Vijaykumar Dayinde** Head of Data Science and Solutions  
**Celcom Axiata Berhad, Malaysia**

1230 **Networking luncheon**

### 1400 **Session Five : Workshop**

#### **Utilizing Reliable Digital Twins for Enterprise Asset Tracking with a Quantum Future**

- Using digital twins to transform and shape industry standards for asset management
- Exploring the examples of machines replicas fused with Modern IT (3D printing, IOT, AI and Quantum Computing)
- Creating guidelines to manage risks in workable models for a Quantum Future

**Jing Yi Chan** IBM Q (Quantum Computing) Ambassador, Systems Solutions Specialist  
**IBM, Malaysia**

### 1445 **Session Six**

#### **Using Digital Twins to Better Build and Deliver Services for your Customers**

- Exploring the use of Digital Twins to help reduce the risks associated with fast growing businesses
- Optimizing delivery services to solidify market position
- Scaling the use of digital twins beyond prototypes to truly see the value of digital at scale

**Daniel Angelucci** Chief Technology for Asia  
**DXC Technology, Singapore**

1530 **Afternoon refreshment**

### 1600 **Session Seven**

#### **Designing cost-effective maintenance strategy through digital twin approach**

- Enabling quick and easy learning as well as information sharing in the repair and maintenance area
- Providing a visual inspection of the electronic board and testing or repairing components becomes faster
- Solving issues and sharing the data faster between production sites for maintenance operation

**Fadhli Hamsani** Digital Transformation Senior Manager  
**Schneider Electric, Indonesia**

### 1645 **Session Eight**

#### **Building an IIoT Data Platform for Digital Twin**

- Evaluating the functionality of digital twin to model and simulate an asset and helps in predicting outcomes more accurately
- Understanding the complex undertaking of building a digital twin that require a properly thought-out data platforms
- Exploring the critical considerations in putting in place an IIoT Data Platform

**Leonard Jayamohan** Director - Social Innovation, Digital Transformation, IoT and Big Data Sales Asia Pacific  
**Hitachi Consulting, Singapore**

1730 **End of day one**

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## Day Two: Thursday, 24<sup>th</sup> January 2019

### 0830 Registration & coffee

### 0900 Session One

#### Using Augmented Reality solution to enhance operational and maintenance activities through the digital layer

- Providing a visualisation of systems to accelerate operation, testing and repairs to various levels of granularity
- Solving issues and sharing the data faster between operation and maintenance sites
- Enabling quick and easy training in both operation and maintenance domains

**Dr. Wilson Oon** Division Manager, Instrumentation Systems Division, Advanced Business Unit Training and Simulation Systems, Electronics ST Engineering, Singapore

### 0945 Session Two

#### Accelerating digital twin with Machine Learning platform (ML)/ (NLP)

- Allowing for predictability of failure of a product that helps prevent failure and enable supervised learning techniques through regression techniques
- Combining digital twins and ML to empower and train network to respond to "What-if analysis"
- Identifying data patterns from sensors and let network learn from these patterns for better prediction and analysis

**Sachin V. Rathi** Vice President – Siemens MindSphere IoT – Ecosystem, Alliances and Partnerships –APAC  
**Siemens, Singapore**

### 1030 Morning refreshment

### 1100 Session Three

#### Strengthening digital twin implementation through cloud-based platform

- Combining the evaluation of the sensor data concerning forces, stresses, and material fatigue that arise in a system with cloud platform
- Improving the availability and performance of systems and efficiency through integrated networking
- Utilising big data analyses and simulations that enable live management of the supervised systems or assets

**Ashley Fernandez** Head, Data Science & Analytics  
**Huawei Technologies, Malaysia**

### 1145 Session Four

#### Achieving seamless telco's network planning and design digital twin-based network modelling

- Enabling providers to foresee an integrated view of networks and services and accelerate telco's digitalisation strategy
- Using digital twins to help providers design and optimized services and networks
- Enabling proactive monitoring and predictive maintenance functionalities for telco's operational excellence

**Jason Lo** Board of Director  
**TuneTalk, Malaysia**

### 1230 Networking luncheon

### 1400 Session Five

#### Looking into technologies and lifestyle experiences transcending between virtual and reality

- Moving forward to 'Digital Twin', by enhancing experience to be driven by innovative technologies
- Dissecting several solutions concepts to project the realm of digital twin that seems to be intertwined & approaching seamlessly with reality
- Understanding how technology can now forge reality and the virtual world together within a single space

**Tan Chee Hon** Head of Strategic B2B Development  
**Panasonic, Malaysia**

### 1445 Session Six

#### Assessing fleet performances through Predictive Health Monitoring (PHM) empowered by digital twin

- Elevating better health management systems to monitor complex electromechanical systems and processes, collecting massive real-time data
- Increasing production reliability and safety as well as on the reduction of cost without sacrificing quality on performance
- Supporting data driven prognostic methodologies by simulations and artificial data generation

**Herve Jarry** Chief Technical Officer  
**Thales Solutions Asia, Singapore**

### 1530 Afternoon refreshment

### 1600 Session Seven

#### Disrupting real-time customer services through autonomous cloud Services

- Leveraging the power of AI to deliver self-driving, self-securing, and self-repairing autonomous services
- Developing digital assistant to automate customer support industry and enabling natural language conversations
- Transforming customer services, by innovative interactions and reduced inefficiencies

**Muhammad Shuja** Principal Cloud Solution Engineer  
**Oracle, Malaysia**

### 1645 Session Eight

#### Putting a Mind on Machine: Disrupting Oil & Gas operation through Digital Twins

- Quantifying the benefits in terms of recovery, production, efficiency, reliability, and safety, among others
- Acquiring data from the field which can be used to run simulation models at the office
- Performing a leap in efficiency, while benefitting from the remote real-time monitoring of key processes

**Jason Kok** Managing Director  
**AppSmiths<sup>®</sup> Technology, Malaysia**

### 1730 End of conference

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## COMPANY DETAILS

Name	Industry
Address	
Postcode	Country
Tel	Fax

## ATTENDEE DETAILS

1	Name	Job Title
	Tel	Email
2	Name	Job Title
	Tel	Email
3	Name	Job Title
	Tel	Email
4	Name	Job Title
	Tel	Email
5	Name	Job Title
	Tel	Email

## APPROVAL

NB: Signatory must be authorised on behalf of contracting organisation.

Name	Job Title
Email	
Tel	Fax
Authorising Signature	

## COURSE FEES

	Corporate	Government
End of November 2018	USD 1695 + 6% SST	USD 1695 + 6% SST
End of December 2018	USD 1995 + 6% SST	USD 1995 + 6% SST
1st January 2019 Onwards	USD 2395 + 6% SST	USD 1995 + 6% SST

Document Package USD 495

All options inclusive of delegate pack, luncheon and refreshments.

## PAYMENT METHODS

Payment is due in 5 working days. By Signing and returning this form, you are accepting our terms and conditions.

By Cheque  
 Bank Transfer  
 Credit Card

### REGISTER NOW

**John Karras**  
T: +603 2775 0067  
E: [johnk@trueventus.com](mailto:johnk@trueventus.com)  
Take a Snapshot or Scan and Email us

### SPONSORSHIP AND EXHIBITION OPPORTUNITIES

Limited packages are available.  
For further details, contact:  
**John Karras**  
T: +603 2775-0067 E: [johnk@trueventus.com](mailto:johnk@trueventus.com)

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T: +603 2775-0067  
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## TERMS & CONDITIONS

- The course fee is inclusive of the event proceedings, materials, refreshment and lunch.
- Upon receipt of the complete registration form, invoice will be issued. Trueventus request that all payments be made within 5 working days of the invoice being issued. Full payment must be received prior to the event. Only delegates that have made full payment will be admitted to event. Clients are responsible for their own banking fees and banking fees will not be absorbed into the booking price.
- Substitution & cancellations policy. Should the registered delegate is unable to attend, a substitute delegate is welcome at no extra charge. Written notifications of all substitutions is required 5 working days prior to the event. Trueventus contracts carry 100% full liability upon receipt of registration. Non payment does not constitute cancellation. A 100% of cancellation fee will be charged under the terms outlined below: Due to limited event seats, Trueventus agrees to book and confirm the seat for the client upon issuance of invoice. Upon signing of this contract, client agrees that in case of dispute or cancellation of this contract Trueventus will not be for total contract value. If a client does not attend the event without written notification at least 5 working days prior to the event date, he/she will deemed as no show. A no show at the event still constitutes that the client will have to pay the invoice amount that was issued to them. Trueventus does not provide refunds for cancellations. By signing this contract the client also agrees that if they cancel that Trueventus reserves the right to pursue monies owed via the use of local debt collection agency were the client is situated. Furthermore the client will be held liable for any costs incurred in collection of outstanding monies. When any cancellations are notified in writing to Trueventus 5 working days prior to the event, a credit voucher will be issued for use in future Trueventus events.
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