

Optimizing efficiency through digitalization in chemicals, petrochemicals and refining  
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## Exclusive Speaker Interview



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### 1. What does the subject of digital transformation and IoT mean to you?

Digital Transformation is a key strategy for SCG Chemicals. The IoT solution is an integral part to ensure Speed & Quality of the digital transformation.

### 2. What's the greatest impact IoT, data analytics and AI will have on the industry? What lies ahead of operators and how will they adapt?

These new capabilities, such as big data analytics, will significantly enhance the performance of operators. A Company that can integrate all these technologies in the right way will be able to move forward faster than others will.

### 3. How will this paradigm shift affect the classic production process and manufacturing value chain?

The production process and manufacturing value chain will be more agile in order to respond to any disturbance, demand, supply a lot faster than before.

### 4. What are the latest technology adoptions by downstream operators in Asia? Are there any success stories that other operators can learn from?

Several companies are exploring the new digital technologies. However, there is no success story related to high business-impact achievement published at this moment. We are looking forward to that.

**5. Will Artificial Intelligence replace humans working in oil and gas?**

The AI may not replace humans. However, less human interactions will be required in the industry because AI will help humans to work more efficiently.

**6. What is the current state of cybersecurity preparedness across refining, petrochemicals and chemicals and how is the cybersecurity market set to evolve?**

After the attack of ransomware, the industry have raised serious concern about cybersecurity. Also, the industries still need to improve their cybersecurity continuously as it is a foundation of digital transformation. The market of cybersecurity in this area will grow exponentially.

**7. Are you concerned about cybersecurity in your organization?**

Yes, we take cybersecurity very seriously. We are consulting with cybersecurity experts to ensure our cybersecurity meet the industrial standard.

**8. What impact does Big Data have on operational efficiency and how is Big Data changing the industry?**

Without Big Data, operation can only close the Gap-To-Achievable. In order to close Gap-To-Perfect, the industries need to embrace and apply Big Data.

**9. What are your views on Asia's downstream industries rate of digitalisation as compared to counterparts in other regions i.e. America, Europe and the Middle East markets?**

The Asia's downstream industries are active in digitalization. However, the rate of digitalization is relatively slower than that of the European.

**10. With these radical changes looming what opportunities lie ahead for manufacturers?**

We see opportunities to identify all performance gaps for perfect operation. The challenge is how to close these gaps.

**11. What will the future workforce look like in the digital age? How well equipped is your organization to handle the challenges?**

In the digital age, future workers will change jobs more often. Loyalty to company will be less. To utilize the workforce, the organization shall have quick learning process and tools to minimize mis-operation.

**12. What will be the highlight of your presentation at Asian Downstream Summit?**

My presentation will show some of our organization's key approaches to drive operational efficiency and process optimization by data analytics and digital twin.