

Optimizing efficiency through digitalization in chemicals, petrochemicals and refining
31st Oct – 1 Nov 2018, Sands Expo & Convention Centre, Singapore



Csaba Fehér

Head of Maintenance and
Technology – Downstream
MOL

1. Please introduce your role at MOL

My main responsibilities are to ensure maximized plant availability through efficient maintenance management with optimal cost level.

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

It is a main part of my professional area of exponentially developing world

3. 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?

The greatest impact is no additional resources, less handwork with extra administration with faster decisions and reactions.

4. How do you see the role of the Industrial Internet of Things in refining, petrochemicals & chemicals? What are the key benefits and opportunities of using IIoT solutions in downstream operations?

Sensors with the focus add more benefit to the predictive maintenance and maximize the operational/mechanical availability through higher asset reliability.

5. What does workplace innovation look like at your organization?

In our organisation, there is more mobility with faster decision-making and less administration in a much more comfortable environment overall provided for higher engagement.

6. How does this impact your customers?

The impact lies with a higher value of our service /support which in return, there is a higher customers' satisfaction.

7. What Does Industrie 4.0 mean for your company?

Industrie 4.0 means there will be sensors, decision support system integration, cloud based technology and less human resource needed.

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

In my opinion, perhaps it will replace humans especially in the area of decision support in the near future.

9. What are the key technologies which your company would like to implement in the next 5 years? (for refiners, petrochemical & chemicals companies only)

The key technologies that we would like to implement are cloud based asset intelligence network, mobility in maintenance as well as big data.

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

The impact that Big Data has on operational efficiency is the room for good measurement and making quick decisions when needed.

11. 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?

My view is that the rate of digitalisation is significantly higher in Asia compared to middle Europe and other areas.

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

Not only products but 'as a service' may also be provided

13. What will be the highlight of your presentation at Asian Downstream Summit 2018?

The highlight of my presentation is to '**Think Big, Start small, Scale Fast**' and to achieve that, one needs to start the maintenance culture change first of all.