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**The AIChE Netherlands / Belgium Section  
is pleased to invite you to attend the Lecture Dinner Meeting**

## **Take Back Chemicals: An innovative business concept creating a sustainable material management process**

**By ir. drs. Bart Vander Velpen –  
Business Development and Innovation Manager at Royal HaskoningDHV**

**Thursday, November 17<sup>th</sup> 2016  
Golden Tulip Hotel, Zoetermeer**

### **Program**

18.00 – 18.30	:	Registration & Cocktails
18.30 – 19.30	:	Lecture
19.30	:	Dinner

### **Summary**

Chemical costs are incurred at each stage of the life cycle of the chemical in the company (procurement, delivery, inventory, internal distribution, use, waste collection and treatment or disposal). The chemical substances are also a major source of environmental impacts and threats. Chemicals are therefore increasingly subject to national and international legal requirements, such as the Waste Framework Directive and REACH. An important innovation brought by REACH, is that suppliers and users should strive that their chemical products are safe and safely used. Take Back Chemicals (TaBaChem) is a business model that improves the communication within the supply chain providing solutions to these issues.

TaBaChem is a business model that supports sustainable material use and considers the whole life cycle. It is a business model that converts the activity of a supplier of chemical substances from selling volume to delivering the function of the chemical, i.e. a service.

Within TaBaChem the supplier guarantees an end result in line with the specifications he/she and his/her customer agreed on. TaBaChem's model improves significantly several elements of the lifecycle of the chemical and stimulates the creation of an industry with a focus on (a) effective and optimal use of resources (chemical, water and energy), (b) finding alternatives for toxic chemicals and (c) avoiding waste generation.

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#### **Information / Secretariat**

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The lecture will explain the basic principles of this business model TaBaChem and will touch upon the economic, technical and juridical challenges using practical examples.

## Professional background of the speaker

### Ir. drs. Bart Vander Velpen

Bart Vander Velpen has more than 25 years of professional experience in project, portfolio and process management with hands-on experience in product/service innovation. Furthermore, he has extensive experience in business development and expertise for start-ups of consultancy in Europe (Belgium, France) and Africa (Burkina Faso). Furthermore, he was chairman of the 'knowledge Valorisation Board' at the Clean Tech Delta Group in Rotterdam and he helps companies and institutes to commercialize new products which can reposition the running business.

He has published several articles on the implementation of new management processes and business models in existing industries, such as Take Back Chemical business model (Product Service System), sustainable material management process (Lean Processing system) etc.

His professional experience is combined with a Masters' degree in Geology (University of Leuven), a degree as mining engineer (University of Delft/ITC, Delft) and a Bachelor degree in Management Development (IC&D Eindhoven). Bart holds a certificate in project finance at Amsterdam Institute of Finance (AIF, Amsterdam (The Netherlands), 2009).

## Route to Golden Tulip Hotel Zoetermeer

Kinderen van Versteegplein 18, 2713 HB Zoetermeer

### From Utrecht (A12)

Take the A12 towards The Hague. Take exit 7 Zoetermeer / Pijnacker. At the traffic lights turn right and you will be on the Oostweg. Follow the Oostweg until you get to a roundabout. Take the roundabout 3 quarters onto the Australiëweg. Take the tunnel on the Australiëweg which changes into the Europaweg. Once out of the tunnel follow the signs "Den Haag A12 / Andere Wijken". At the second traffic lights towards "Wijk 12+13" turn left onto the Van Leeuwenhoeklaan, directly turn right onto the Boerhaavelaan. At the end of the Boerhaavelaan you can find the Golden Tulip hotel on your left hand.

### From The Hague/ Rotterdam / Amsterdam (A12)

Take the A12 towards Utrecht. Take exit 6 Zoetermeer Centrum. Turn left onto the Afrikaweg. At the second traffic lights towards "Wijk 12+13" turn right onto the Van Leeuwenhoeklaan, directly turn right onto the Boerhaavelaan. At the end of the Boerhaavelaan you can find the Golden Tulip hotel on your left hand.

### Public Transport

The hotel is located a mere 40 meters from train station "Zoetermeer" (track Utrecht The Hague, The Hague - Utrecht) and only 20 meters distance from station "Driemanspolder" (Lightrail no. 3 The Hague – Zoetermeer Centrum-West, Zoetermeer - The Hague)

The hotel has a number of private parking spaces and free parking spaces in nearby streets.

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**REGISTRATION AIChE LECTURE DINNER MEETING November 17<sup>th</sup> 2016**

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creating a sustainable material management process**

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at Royal HaskoningDHV**

**Thursday November 17<sup>th</sup> 2016, 18.00 hours  
Venue: Golden Tulip Hotel Zoetermeer**

Yes, I wish to participate in above meeting.

Name / Job title: \_\_\_\_\_

Company: \_\_\_\_\_

Address: \_\_\_\_\_

Please fill in or  
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Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_

**E-mail address:** \_\_\_\_\_

Fees: <sup>1)</sup>

- |                          |  |             |                            |
|--------------------------|--|-------------|----------------------------|
| <input type="checkbox"/> | AIChE member   | (EUR 60.00) | <sup>1)</sup> please check |
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If there are any changes of your Office-address, please inform our secretariat: [secretary@aiche.nl](mailto:secretary@aiche.nl).

After receiving your registration form we will expect you to be present at the Lecture Dinner Meeting unless we receive your cancellation in writing 24 hours prior to the event.

Registration by E-mail: [secretary@aiche.nl](mailto:secretary@aiche.nl)