



SCIENCES  
TO ENHANCE YOUR RESOURCES

## TRAINING

# Material balance with BILCO software

### OBJECTIVE

initiation to BILCO software: data reconciliation by material balance

### INTENDED AUDIENCE

Process engineers, technicians, students concerned by material balance problems

### OUTLINE

#### Introduction

- Data reconciliation
- Material balance through an example
- Necessary data (material description, experimental measurements, material conservation constraints)
- Notion of measurement error
- BILCO calculation algorithm
- Results analysis

#### Case study: Global plant analysis

- Initialisation and data input functions
- Implementation of the calculation algorithm
- Results display and interpretation

#### Case studies

- Material balance computation on complex industrial cases
- Chemistry-mineralogy reconciliation
- Environmental impact assessment
- Recycling
- Customized cases

### TEACHING METHODS

- Training is based on documents given to the trainees
- Using the dedicated BILCO software, trainees will apply the theory to solve material balance problems

### PREREQUISITES

- Computing: Use of spreadsheet software (such as Microsoft Excel)
- Process: Basic notions on main equipment, physical and chemical process

### DURATION

2 days

### REGISTRATION FEE

1250 € (excl. taxes)

### DATES

- March 13-14, 2018
- October 23-24, 2018

### VENUE

Orléans, France

### ADVANTAGES

- Approach based on real cases
- Training in French, English or Spanish



REGISTER

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## REGISTRATION FORM

**To send back by e-mail or postal mail**

Tel : +33 2 38 64 31 96 - E-mail : info@caspeo.net

CASPEO - 3 Avenue Claude Guillemin - BP 36009 - 45060 ORLEANS CEDEX 2 - FRANCE

### INFORMATION ABOUT THE TRAINING SESSION

Training session

Date

Price

How did you hear about it?

### COMPANY INFORMATION

Name

Address

Zip code

City

Country

VAT No  
(for European country)

### PARTICIPANT INFORMATION

Name

Surname

Position

Phone

E-mail

Name

Surname

Position

Phone

E-mail

Date

Signature

**For any cancellation, less than 10 days before the start of the training session, 50% of the price will be invoiced.**

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