

BCAP®: From Data to Value

With combined competences of software development and domain knowledge, we create insights of your isolated data, define actions and implement improvements specific for your business by using **BCAP®**. By providing the platform and driving improvements together with you, we increase business value top- and bottom line.

ISOLATED DATA

- ENGINEERING**
- OPERATION**
- MAINTENANCE**
- ENERGY**
- EXTERNAL DATA**



BCAP® provides a portfolio of standard applications as well as tailor-made AI solutions utilizing our industry and data science know-how.

BUSINESS VALUE

| | |
|-----------------------------|------------------------------------|
| OEE IMPROVEMENT | HSE IMPROVEMENT |
| COST REDUCTION | ASSET INTEGRITY IMPROVEMENT |
| WORKFORCE ENABLEMENT | |

How BCAP® boosts Oil & Gas Industry



Prevent performance decline of compression stations well in advance

- 1 3 4 5 6 7

Increase pump lifetime by predictive maintenance

- 1 3 4 5 6

Identify corrosion and cracks for pipelines specially unpiggable areas

- 2 3 4 6

Fouling for heat exchangers specially on crude distillation units

- 1 3 4

Digitize P&ID of existing facilities

- 10

Increase plant safety

- 8 9

Reduce unscheduled downtime of equipment at hydrocracker hydro-treating units

- 8 9

DIGITAL SOLUTIONS

- 1 Smart Alerting
- 2 Analytics powered by Trendminer
- 3 Asset Monitoring
- 4 Virtual Sensor
- 5 Cognitive Sensor
- 6 Plant Intelligence
- 7 Energy Monitoring & Reporting powered by Hochhuth
- 8 Safety Assistant
- 9 Industrial Tube
- 10 PIDGraph

Industry: Oil & Gas

Optimization for one of the world's leading energy producers

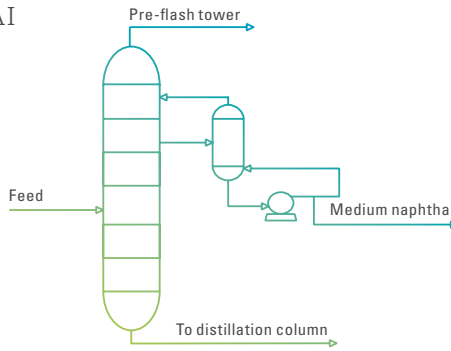
QUALITY PREDICTOR USING AI

CUSTOMER CHALLENGE

- Predict quality of medium naphtha without measuring it

OUR SOLUTION

- AI model predicts quality of medium naphtha 30 min ahead
- Model can identify sub-optimal performance of control system



BENEFITS

OEE Improvement 

Costs 

Industry: Oil & Gas

Fouling of heat exchanger

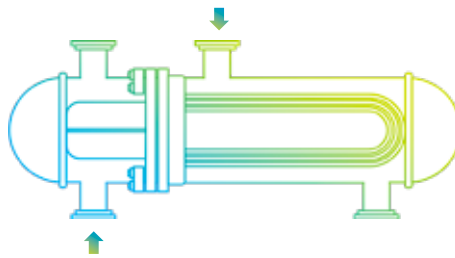
PREDICTIVE ASSET HEALTH FOR HEAT EXCHANGER

CUSTOMER CHALLENGE

- Indicate fouling of heat exchanger

OUR SOLUTION

- Ready-to-use fouling prediction
- Direct online insights in asset health of heat exchanger
- Determine optimal moment for cleaning



BENEFITS

OEE Improvement 

Availability 

Why BILFINGER DIGITAL NEXT?

Fast, easy, safe!

BILFINGER DIGITAL NEXT is the corporate start-up driving the **digital transformation** in the **process industry**.

The combination of **data experts** with **industrial expertise** supported by strong partners leads to our solution portfolio: **BCAP**®.



40+ employees



Located in Heidelberg



20+ Solutions



Global customers



Get in touch!

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**WE MAKE
DIGITALIZATION
WORK!**

