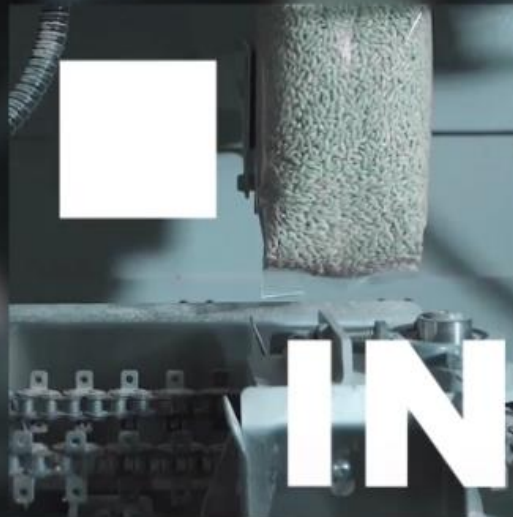




Countless parts.
One flow.



ROADMAP

1. WHO IS INDEFF

Get to know us

2. COMPETENCES

What we can
do for you

3. INDUSTRIES

We face your challenges

4. CASES

See the proof

5. CONTACT

Connect with INDEFF

WHO IS INDEFF

OUR 3 MAIN COMPETENCES



**INDUSTRIAL INTERNET OF THINGS
DIGITAL FACTORY & SUPPLY CHAIN**



**MANUFACTURING
EXECUTION SYSTEMS**



**INDUSTRIAL
AUTOMATION**

WHO IS INDEFF

INDEFF AROUND THE WORLD

IN NUMBERS

+200 projects

8 offices

24/7 support



COMPETENCES

INDUSTRIAL INTERNET OF THINGS

industry 4.0 has arrived

ASSESS

Low cost sensors and
standardized data sets

ANALYZE

Data instantly stored in
the cloud.
Access when and where
you need it

EXECUTE

Automatic responses to
even the slightest of
changes

COMPETENCES

MANUFACTURING EXECUTION

adapt in real time

HERE & NOW

Access product specifications, work schedules & instructions, and more

LEAN & MEAN

Embrace lean manufacturing and optimize inventory levels

EFFICIENCY

Identify bottlenecks, establish best practices and standardize your processes



COMPETENCES

INDUSTRIAL AUTOMATION

The Automation Era

OPTIMAL PRODUCTION

Implement PLCs &
SCADA systems in the
right places

PROCESS KNOWLEDGE

Exploit the power
of data in a central
control room

SAFETY FIRST

Comply with the
strictest safety
regulations

INDUSTRIES

GLOBAL EFFICIENCY AMBASSADORS

Discover what we can do
for you:



FOOD & BEVERAGE



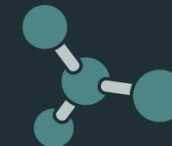
INFRASTRUCTURE



OIL & GAS



MANUFACTURING



LIFE SCIENCES



CHEMICALS



INDUSTRIES



FOOD & BEVERAGE

a taste of success

ADJUST TO DEMAND

Shorten your reaction time
and facilitate decision-making

ENSURE THE HIGHEST QUALITY

Automate quality management
and guarantee compliancy

UNIVERSAL CONTROL

Fully connected supply chain
and MES-powered batch control

FOLLOW RESOURCES AROUND THE WORLD

Trace materials throughout
your supply chain

CASE:
FRIESLANDCAMPINA



CASES

FRIESLANDCAMPINA

the bridge between ERP and MES

BRIEFING

Ensure Batch and MES systems in two production sites are
COMPATIBLE WITH COMPANY-WIDE ERP

GOALS

INNOVATIONS: centrally automated recipe control, bills of material and sample plans

RESULTS

Xml files in a B2MML structure: able to meet **INTERNATIONAL MESA STANDARDS**



INDUSTRIES

LIFE SCIENCES
healthy manufacturing practices

QUALITY MANAGEMENT

Automate quality management and guarantee compliance

PROCESS VALIDATION

Integrate end-to-end validation

SUPPLY CHAIN OPTIMIZATION

Locate and solve weak spots

AUTOMATIC SERIALIZATION

Trace materials throughout your production process

CASE:
JANSSEN PHARMACEUTICA

A photograph of a large, modern industrial building with a white facade and dark grey roof. The Janssen logo is visible on the building's side. The word 'CASES' is overlaid in the top left corner.

CASES

JANSSEN PHARMACEUTICA

healthy manufacturing process

BRIEFING

Analyze existing automation systems & conduct an **AUTOMATED BATCH STUDY**

GOALS

Retro-engineer all production processes & **IMPLEMENT THE ISA-88 STRUCTURE**

RESULTS

INCREASE SAFETY ON THE WORK FLOOR & obtain CE-labeling



INDUSTRIES



CHEMICALS

when every atom counts

ACT FAST

Facilitate well-informed
decision-making

PROCESS VALIDATION

Consistently operate in optimal
conditions

ENSURE QUALITY

Take Recipe and Batch
management to the next level

KEEP TRACK OF EVERY ATOM

Trace materials throughout
your production process

CASE:
BEAULIEU INTERNATIONAL
GROUP



CASES

BEAULIEU INTERNATIONAL GROUP

local cooperation, global results

BRIEFING

Set up a close & **SUSTAINABLE COOPERATION** with INDEFF engineers

GOALS

Implement a series of **LOCAL FUNCTIONALITIES**

Design a **STANDARDIZED MES PACKAGE** to facilitate global implementation

RESULTS



INDUSTRIES



INFRASTRUCTURE
enhanced connectivity

**INFRASTRUCTURE MANAGEMENT
APPLICATIONS**

A library of reusable components

CENTRALIZED DATA AND CONTROL

Access situations faster and react more accurately

HOT-POWERED SMART GRIDS

Safe, sustainable and on time

MINIMAL ENERGY USAGE

Limit energy consumption

CASE:
HOOGHEEMRAADSCHAP VAN
RIJNLAND



CASES

HOOGHEEMRAADSCHAP VAN RIJNLAND

Process control make over

BRIEFING

Build a **CENTRAL CONTROL ROOM** to execute operations remotely, safely & efficiently

GOALS

EXTEND THE SCOPE & include water cleansing processes, maintenance management,...

RESULTS

Integrate real-time process control to regulate & **MONITOR LOCAL PROCESSES**

INDUSTRIES



OIL & GAS

well-oiled supply chain

ACT FAST

Quicken your reaction time and facilitate decision-making

CONTROL EVERY PROCESS

Reduce energy consumption and increase productivity

DRIVE INNOVATION

Install predictive maintenance with IIoT

CONNECT YOUR SUPPLY CHAIN

Extend the life of wells by working more efficiently

CASE:
PETROLEUM DEVELOPMENT
OMAN



CASES

PETROLEUM DEVELOPMENT OMAN

One system. One platform.

BRIEFING

REPLACE the existing SCADA systems with a **STANDARDIZED SOLUTIONS**

GOALS

Take into account the **GIGANTIC SIZE & BROAD FUNCTIONALITY**

AUTOMATICALLY GENERATE objects, data & screens

RESULTS

CONTACT

CONNECT WITH INDEFF

INDEFF LUXEMBOURG (HQ)

Vega Center
Parc d'activités 75
8308 Capellen

 +352 26 11 97 01

 info@indeff.com

REGIONAL OFFICES

Capellen, Luxembourg,
Antwerp, Belgium
Breda, Netherlands
Dubai, United Arab Emirates
Muscat, Oman
Bangkok, Thailand
Singapore
Atlanta, United States

INDEFF EUROPE

INDEFF USA

INDEFF MIDDLE EAST

INDEFF ASIA

• JOBS

EXCITING CAREERS IN AUTOMATION

More than a job



INDEFF

Countless parts.
One flow.

INDEFF CAREERS

Project Managers
PLC / SCADA Engineers
MES Engineers
MES Consultants
IIOT Developers
IT System Engineers

Local or Global

jobs@indeff.com

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