

Quality Management since 1983

Process Control and Analytics since 1983

PDaP



Prozesse Daten Analysen Projekte

PDAP Overview CAQ-Modules and Extensions

Management View - On-click, One-page Overviews and Analysis
(Browser Based)

PDAP
MV

WEB
SERVICE

PDAP-Analytics – Interactive Reporting
(Browser Based + Client Based)

PDAP BI

OFFICE

PDAP-Operational CAQ System
(PDAP-Client Installation)

SPC

GOODS
INCOME

OUTGOING
GOODS

COMPLAINT
PROCESS

...

BI / MV

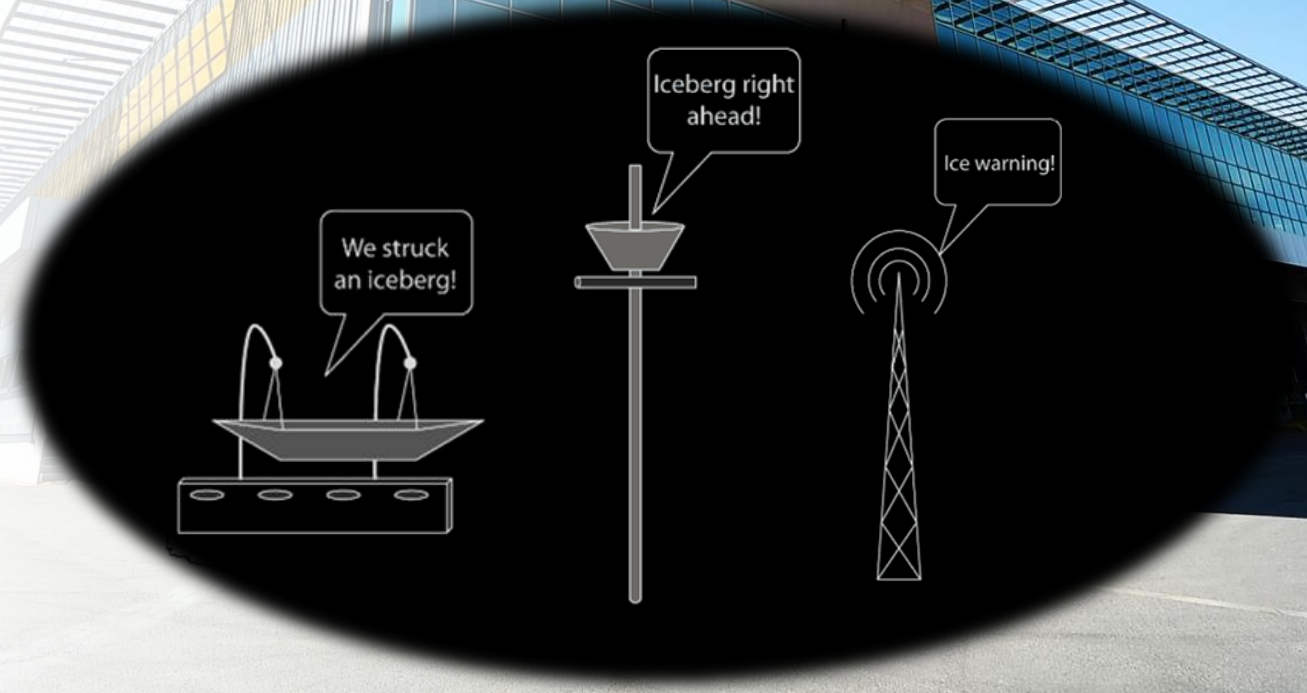
ERP / PDAP / Audit

Machine
Middleware

The Timing Of Feedback-Information Is As Important As The Content

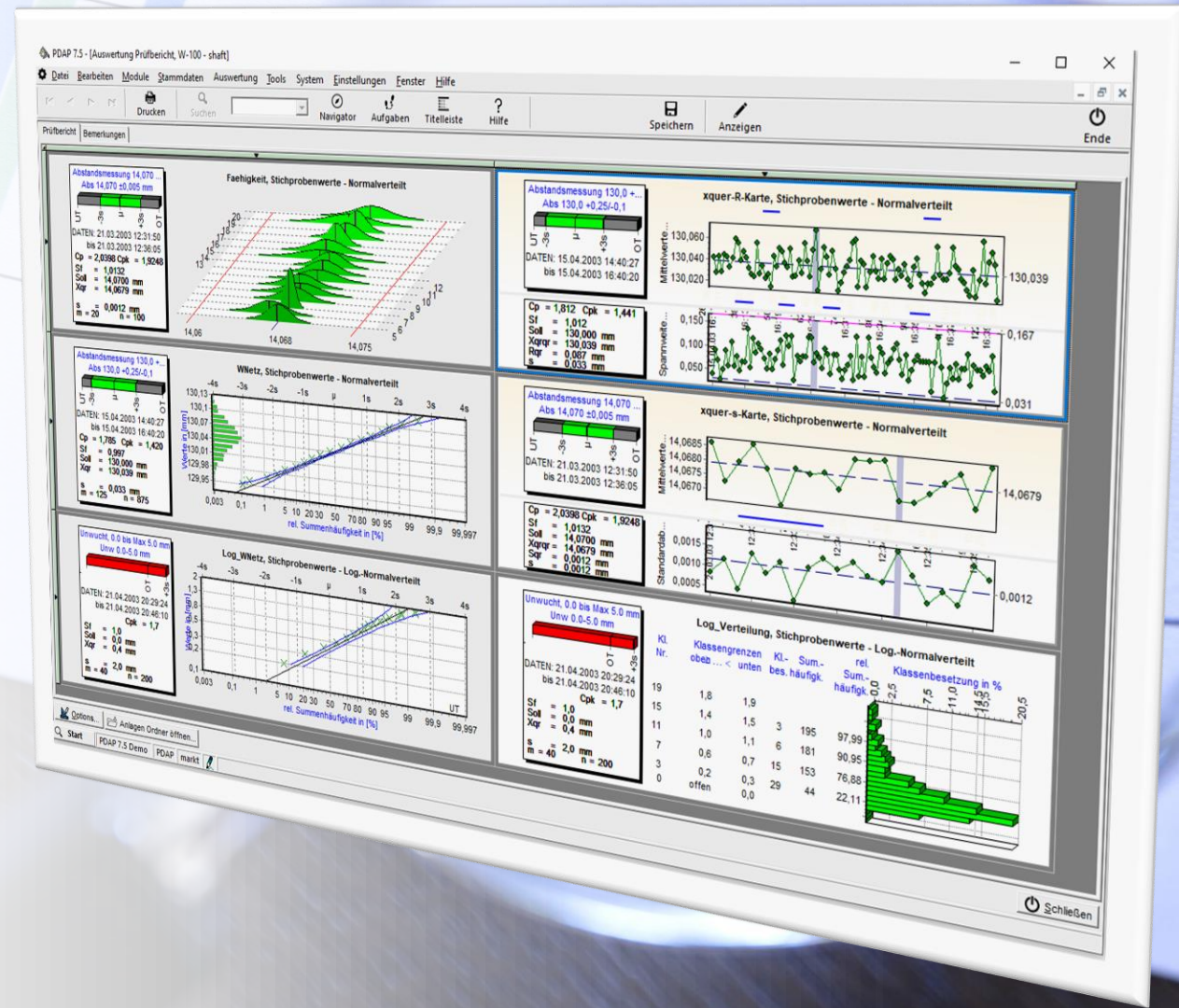
PDAP System Overview

- User Management
- Role Management
- Reminder and To Do Lists
- Q-Link – Hyperlink Service to invoke Modules by third party tools and websites



Modules for process monitoring and operational CAQ

- Goods income inspection
- Statistical Process Control
 - attribute chart analysis
 - process control cards
 - inspection reporting
- Outgoing goods inspection
- Complaint management
 - 8D-Reporting
- Activity Management



PDAP Interfaces Overview

- Connectors to ERP Systems
- Connection to production environment for SPC
- Connectors for inspection environment
- Customized connections to other services and data sources as needed
- Office Integration: Interfaces for Word and Excel for data and document exchange

CAQ Scenarios With Extensive Interfaces

Data Acquisition And Consolidation According To The ETL Principle:

Internal And External Databases

Machine Data Acquisition

Employees / Customers / Suppliers



Webservice File TCP Network Share

Different Formates

<XML /> JSON CSV IDOC OGP XLSX DOCX SQL



- APQP
- Risk Matrix
- FMEA
- Control Plan
- First Sampling
- Inspection Planing

PDAP7

Process
PFC Porcess Structure

Control Plan
Control Plan Inspection Structure

Inspection Plan
SPC Inspection Instruction

APQP Struktur in PDAP7

APQP

Control Plan
Process 1 Process 2
Step 1.1 Step 1.2 Step 2.1 Step 2.2

Process Flowchart
Process 1 Process 2
Step 1.1 Step 1.2 Step 2.1 Step 2.2

SPC

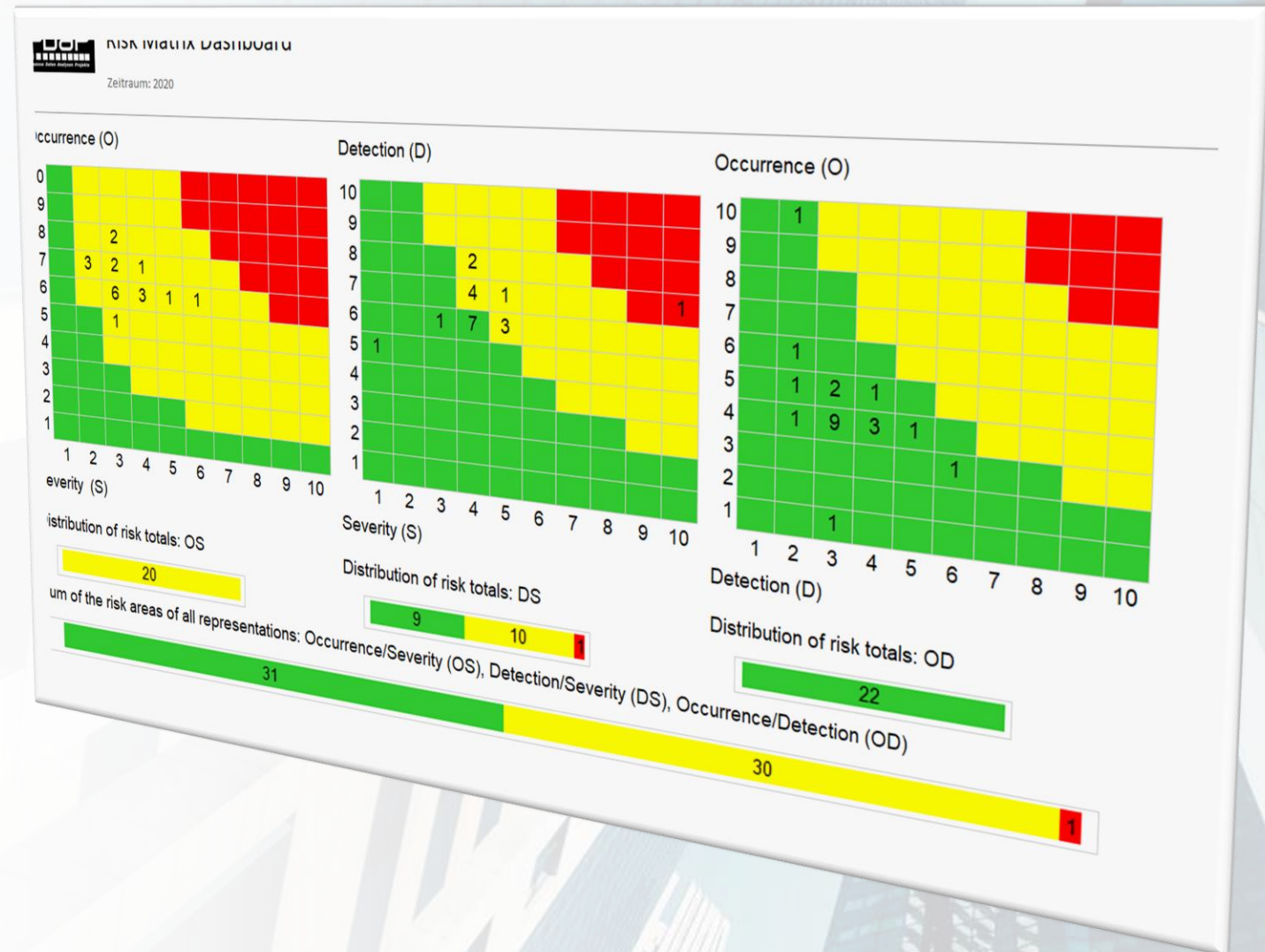
Inspection Plan
Position 1 Position 2
Instruct. 1.1 Instruct. 1.2 Instruct. 2.1 Instruct. 2.2

Inspection Order
[Position]
Char. 1 Char. 2 Char. 3 Char. 4

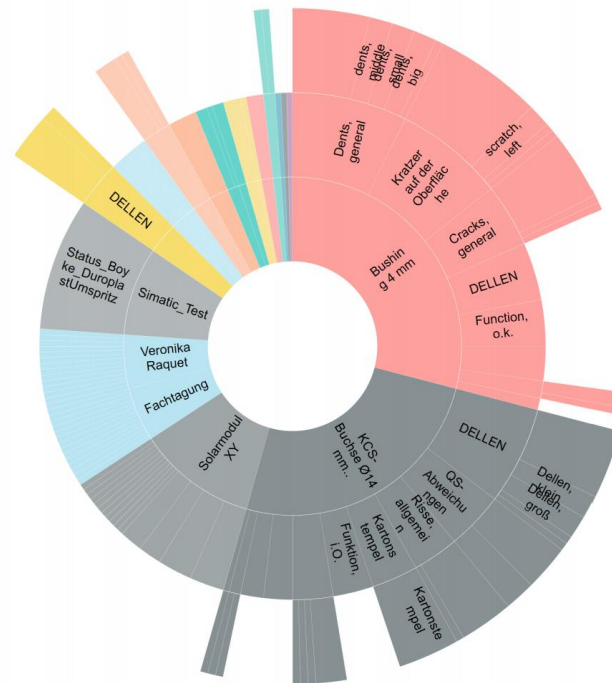
Bereiche APQP und SPC

Risk Management Matrix

- Simple browser based interfaces
- Analysis over all connected systems
- One Page Views
- KPI-Boards and Score Cards
- Management Reviews
- Office like designer
- Process risk assessment
- Plausibility Feedback Evaluation for FMEA



- Ongoing Overviews
- Monitoring of Target Values
- Summarized Sunbursts Charts
- TO DO List of open actions



Cockpit Reklamationsmanagement mit Zielwerten und Historie

Laufende Kennwerte zum Reklamationsaufkommen

Kunden KPI
31
(8%)

Lieferanten KPI
13
(3%)

Interne KPI
6
(1%)

TOP - Kategorien bei den Reklamationsvorgängen im laufenden Jahr:

Kundenreklamationen Top YTD:

04002010	6
test	4
04002000	3
04002033	3
Mark Hausmann	3

Lieferanten Top YTD:

10000002	4
10000006	3
10000000	2
Vendor	2
00100188	1

Abteilungen Top YTD:

Ext. Analyse	3
QS	2
TECH	2
KD	1
QM-Beauftragter	1

Produktgruppen Top YTD:

Buchsen	5
shafts	3
Hebel	3
Komplett-Teile	2
Bushings	2

Artikel Top YTD:

KCS-Buchse Ø14	8
Weile mit Spalt	3
test3	3
Laserpointer 300	3
Hebel	3

Fehler Top YTD:

DELLEN	3
Kratzer, allgemein	2
Glat. allgemein	2
ABWEICHUNGEN	2
Baugruppe	1

TOP - Offene Reklamationsvorgänge nach Priorität und Datum:

Priorität	Aufgabe	Bezeichnung	Datum	Beschreibung	% Abschluss
Hoch	Wareneingang	We-Schein: 20x06.000012	19.06.2019	Lieferant: 100000002 ; Artikel: KCS-Buchse Ø14 mm...	0
Hoch	Reklamation, Neu	RekNr.: 010328	21.01.2019	Typ: K: Kunde: 04002033 ; Artikel: KCS-Buchse Ø14 mm. Status:	10
Hoch	Reklamation, Neu	RekNr.: 000025	17.02.2019	Typ: L: Lieferant: 100000002 ; Artikel: KCS-Buchse Ø14 mm. Status:	10
Hoch	Reklamation, Neu	RekNr.: 000024	17.02.2019	Typ: K: Kunde: 04002010 ; Artikel: KCS-Buchse Ø14 mm. Status:	10

Laufende Reklamationsübersicht der TOP Vorgänge

Anzahl der offenen Vorgänge nach Priorität

Top Fehleranteile im laufenden Jahr

Vorgänge in den Kategorien

46
 Gesamt

40 Extern
6 Intern

TOP - Kategorien bei den Reklamationsvorgängen im laufenden Jahr:

Kundenreklamationen Top YTD:

04002010	6
test	4
04002000	3
04002033	3
04002011	2

Lieferanten Top YTD:

10000002	4
10000006	3
10000000	2
Vendor	2
00100188	1

Abteilungen Top YTD:

Ext. Analyse	3
QS	2
TECH	2
KD	1
QM-Beauftragter	1

Produktgruppen Top YTD:

Buchsen	5
shafts	3
Hebel	3
Bushings	2
Basell	2

Artikel Top YTD:

KCS-Buchse Ø14	7
Weile mit Spalt	3
test3	3
Hebel	3
Y57-5014 (Ø4R)	2

Fehler Top YTD:

DELLEN	3
Kratzer, allgemein	2
Glat. allgemein	2
ABWEICHUNGEN	2
Baugruppe	1

TOP - Offene Reklamationsvorgänge nach Priorität und Datum:

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Hoch	Reklamation, Neu	RekNr.: 000024	17.02.2019	Typ: K: Kunde: 04002010 ; Artikel: KCS-Buchse Ø14 mm. Status:	10

PDAP Management View

CAQ BI and Analytics



Server based
Enterprise Reporting
Platform (based on SQL
Server Reporting
Services)



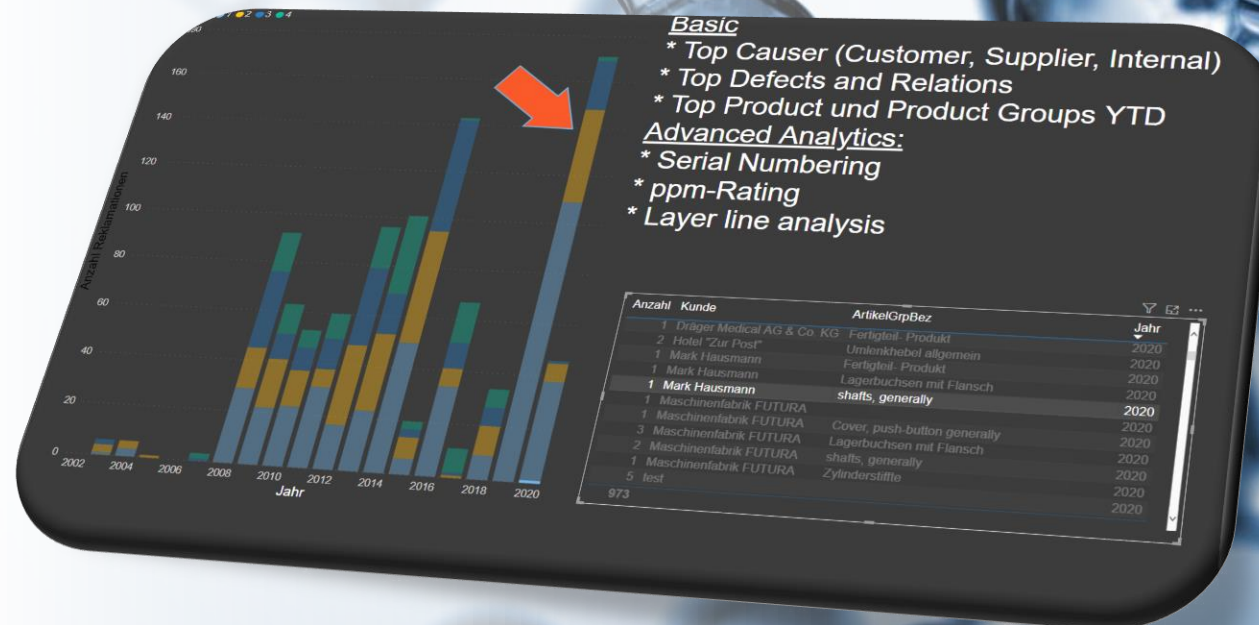
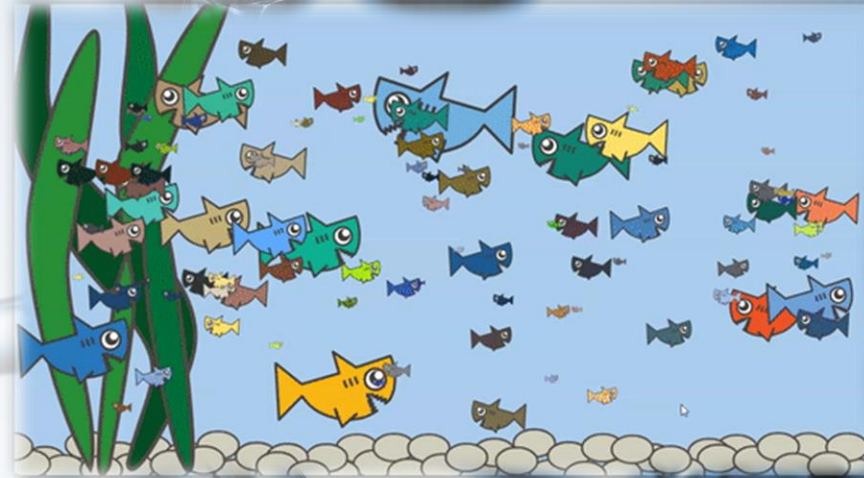
Providing KPI'S and
one-click on one-page
overviews



Business Intelligence -
Data models for Power
BI



work's inside a browser



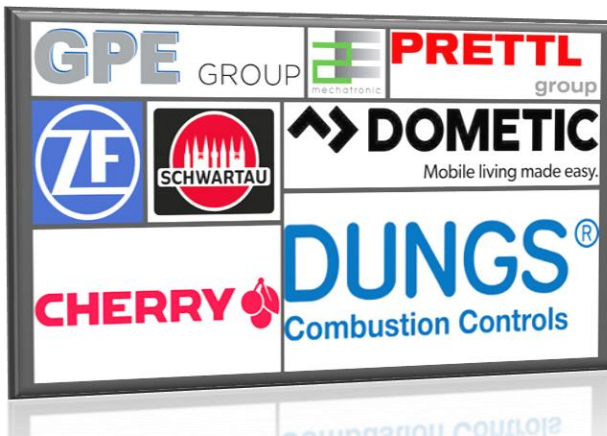



PDAP System Management

- User Management
- Role Management
- Attendant Modules
- Gauge Maintenance
- Reminder and To Do Lists
- Q-Link – Hyperlink Service to invoke Modules by third party tools and websites

Overview Reference Customers with international dependances

- ZF (Germany, Czech Republic, Ukraine)
- Cherry (Germany)
- GPE Group (Germany)
- 2E mechatronic GmbH & Co. KG
- DOMETIC (Germany, Sweden)
- EMS (Germany, China)
- DUNGS (Germany, China, Denmark)
- SCHWARTAUER WERKE (Germany)
- PRETTTL (Germany)
- MOTORTECH (Poland)
- ...

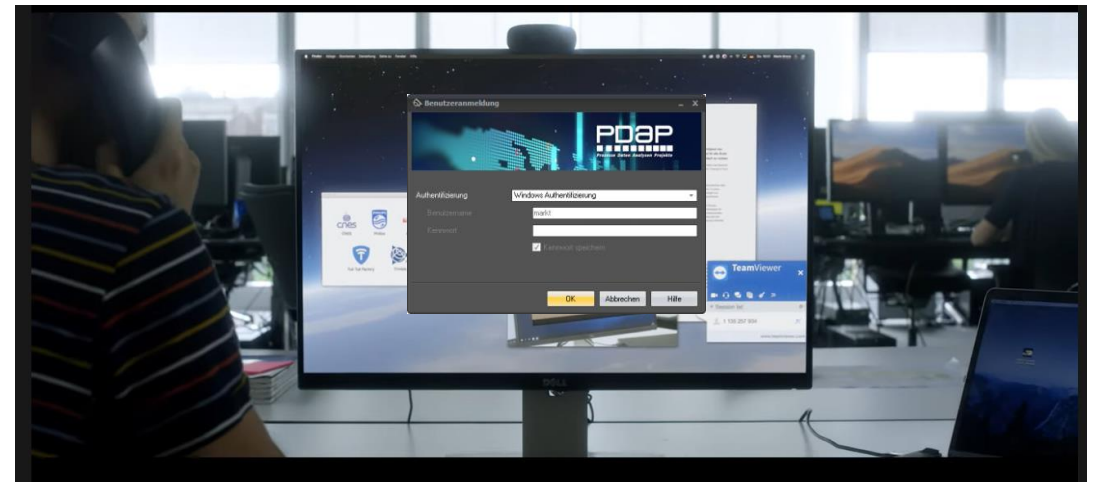




Support in German an English



- Support in German an EnglishSupport - Daily on telephone and per remote supporting via TeamViewer included.
- (Different Remote Solution regarding to customer needs possible applicable when needed)



PDAP Team



Process
Data
Analytics
Projects



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CEO



Holger Leu
Management



Horst Strohkirch
System Specialist



Nils Caliebe
Interface Specialist

PDAP Team using HONEYWELL climbing protection