



The home of Pfeifer & Langen

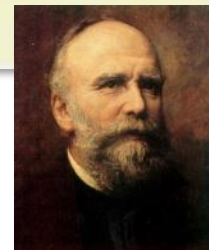
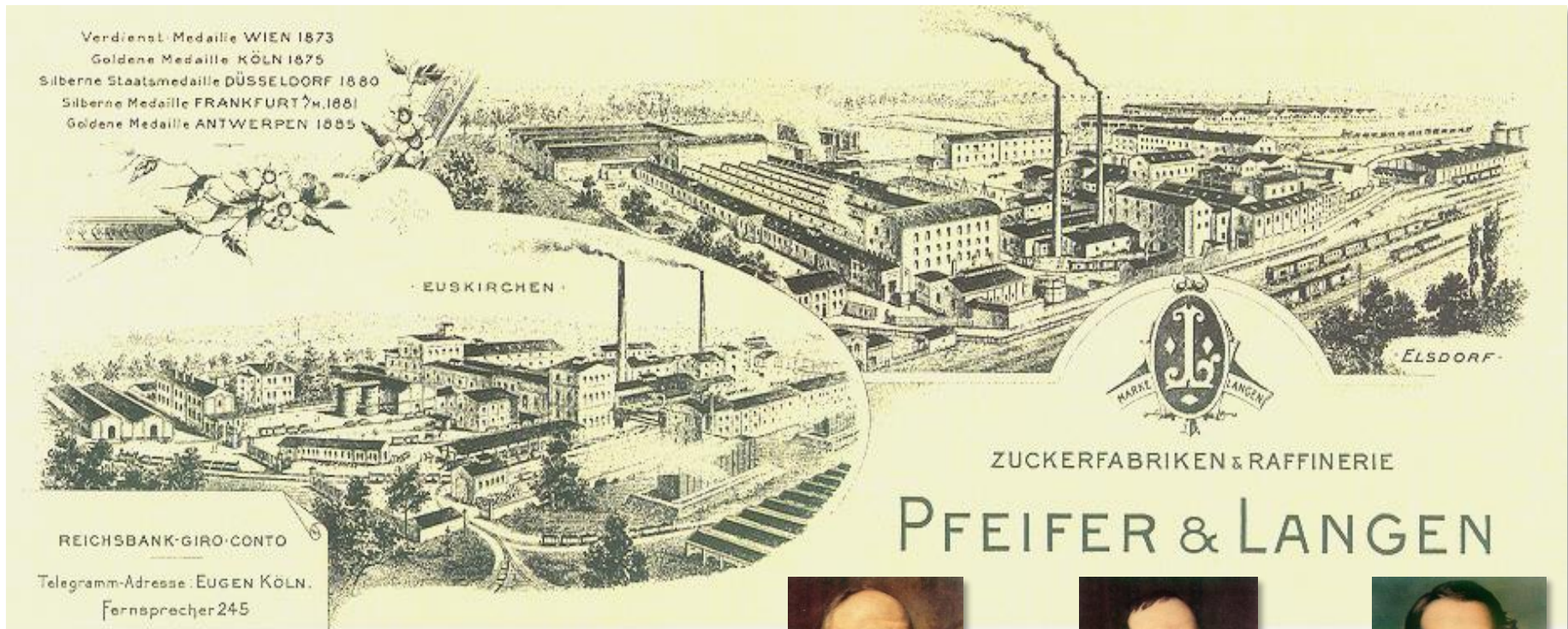
Welcome to Cologne





Pfeifer & Langen History

Independent and family owned for over 145 years



Eugen Langen
1833 – 1895



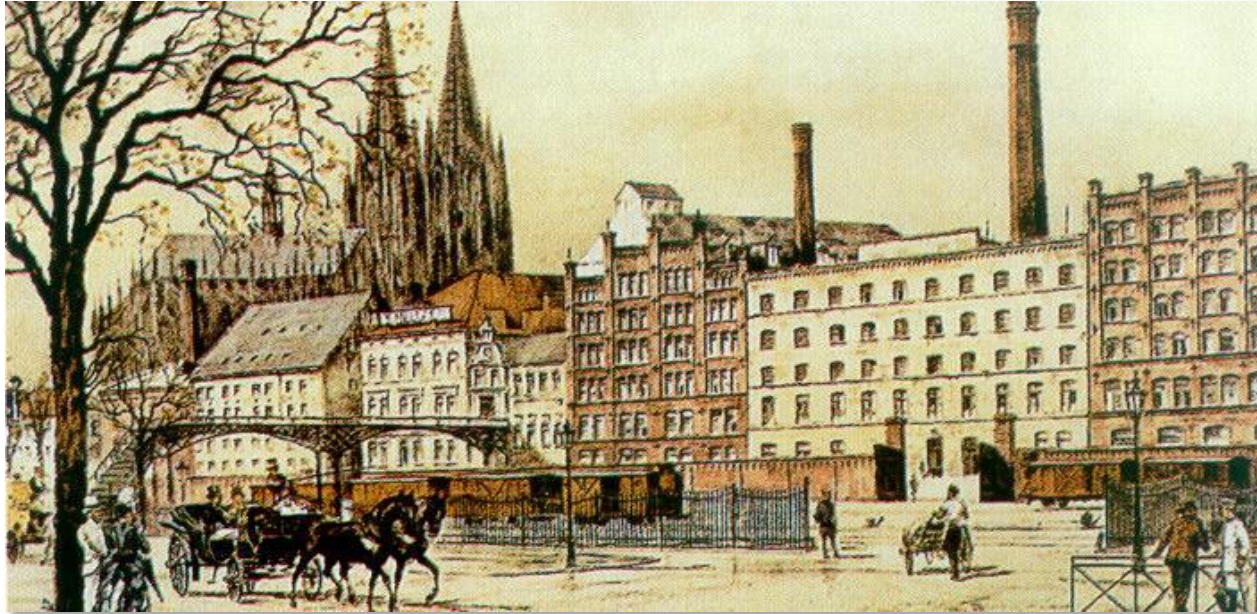
Emil Pfeifer
1806 – 1889



Valentin Pfeifer
1837 – 1909



Pfeifer & Langen A family owned company



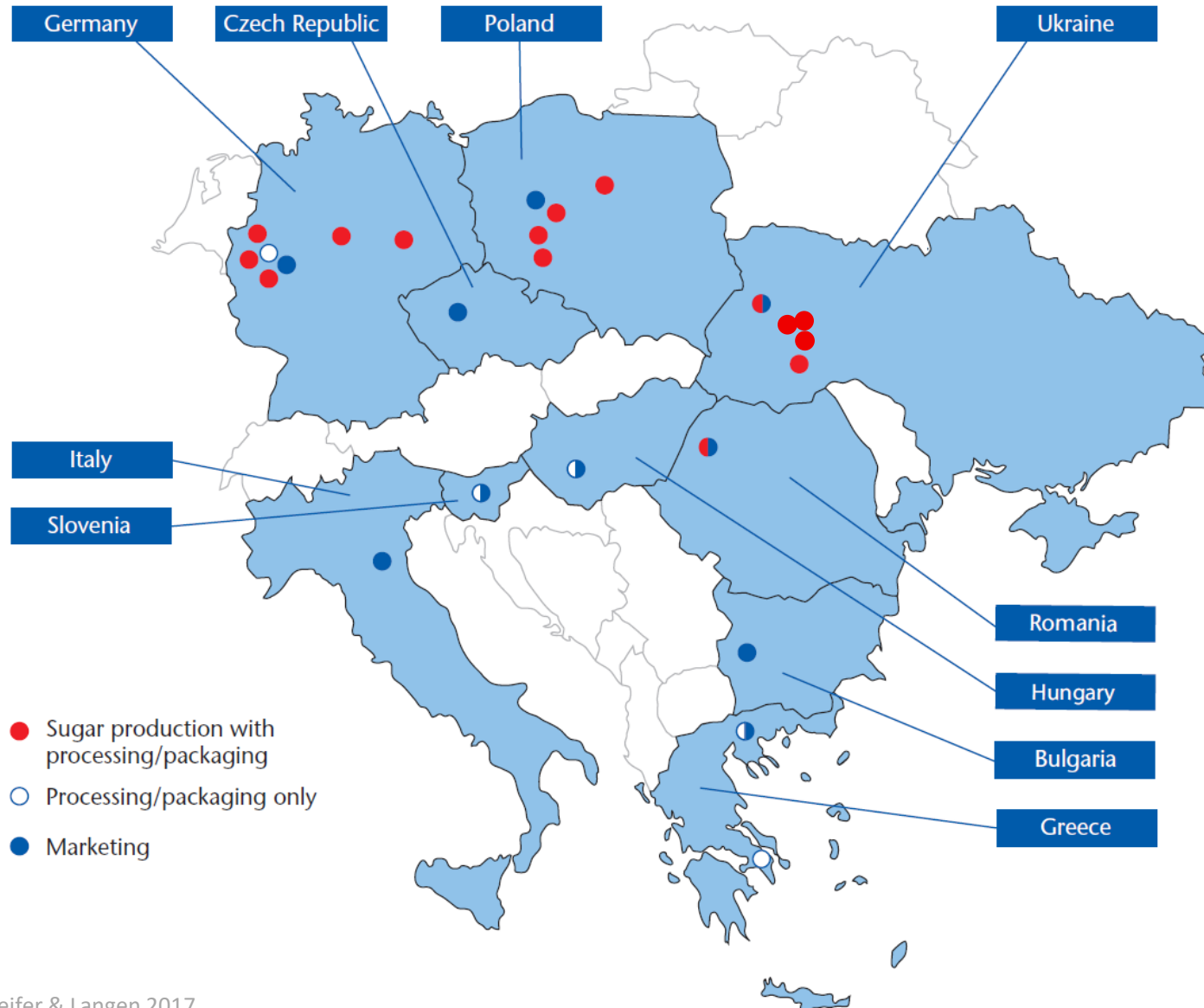
Pfeifer & Langen's legal status is a limited partnership. It is managed by personally liable partners.

This structure reflects our particular strength, philosophy and tradition:

to maintain and strengthen our position in the European market for sweeteners
as an independently acting company.



Pfeifer & Langen – Sugar Group





P&L Key Figures

Production:	2.000.000	t/a	sugar
	1.500.000	t/a	feed
Clients:	1.500		industrial clients
	60.000.000		consumers (direct/undirect)
Energy:	10.000.000	t/a	water evaporation
	3.000.000	MWh	fuel consumption (15% electrical)
Emissions:	1.300.000	tCO ₂ /a	



The Process

CO₂ Emission

1. CHP
2. Dryer
3. Limekiln
4. Waste water





CO2 Allowances and prices (met for P&L) since starting the business

CO₂ - Emissions since 1990 (Kyoto) - 100% to 48% (2017)

Free allocation:	1. Period	110%
	2. Period	95%
	3. Period	45%
	4. Period	25% (expected)

Prices (*dealed with*) 3€/t to 28€/t

Fines (*not met but as a rule*) up to 100€/t (in case of uncorrectness)

Correct and sustainable reports make sense!



Was vermisst der Anwender?

Persönliche
Startseite, mit für
ihn wichtigen
Informationen

Alles auf einen
Blick

Vorlagen

Mobile
Zugriffe

Definierte Verteilerkreise

Strukturierte
Ablage

Steckbrief der
Werke

Mehr
Informationen
zum
Unternehmen

Glossar
Zuckerfachbegriffe

Bilder
Videos

Feedback über
seine Inhalte

Interaktion mit
anderen Systemen



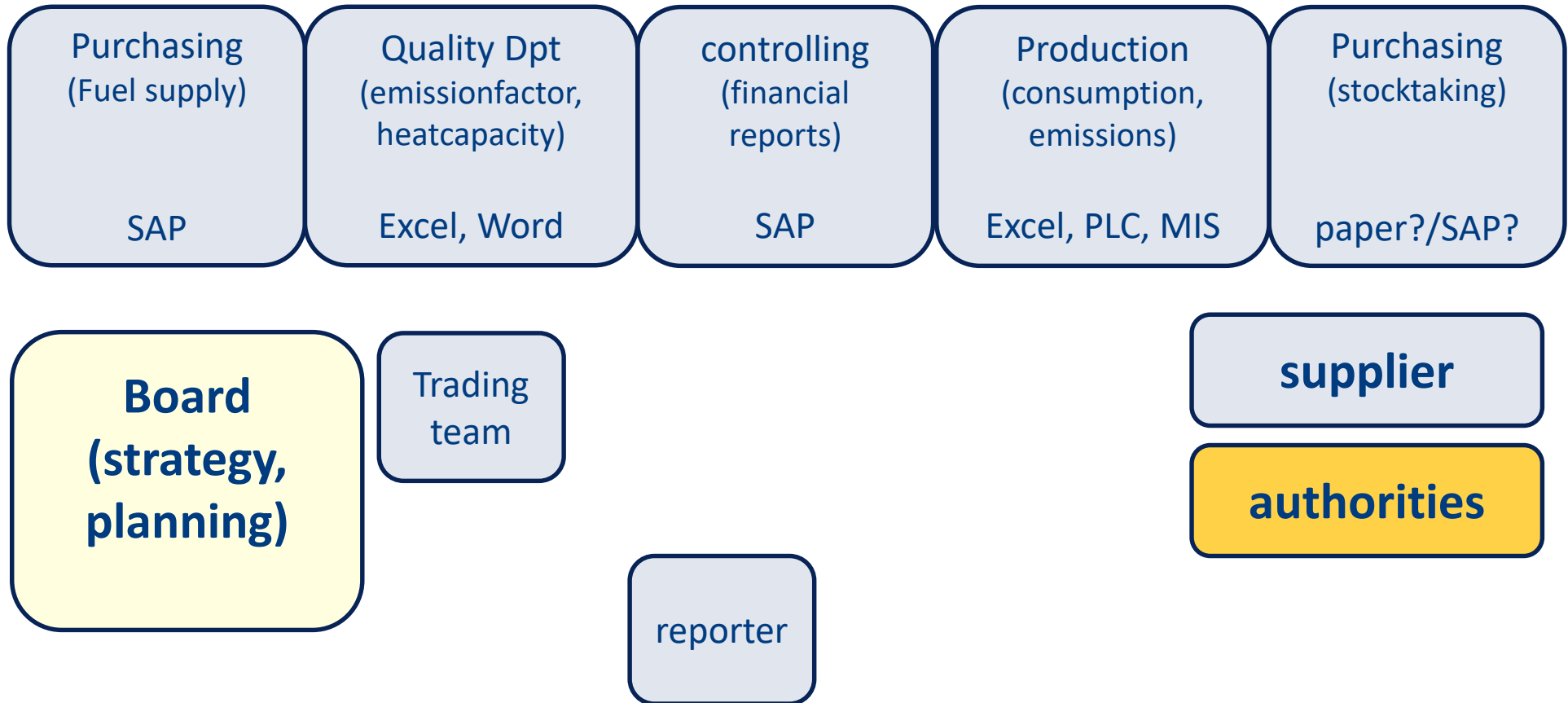
Mehrsprachigkeit



Technical Reporting 2004 Basics and historical situation

Target:

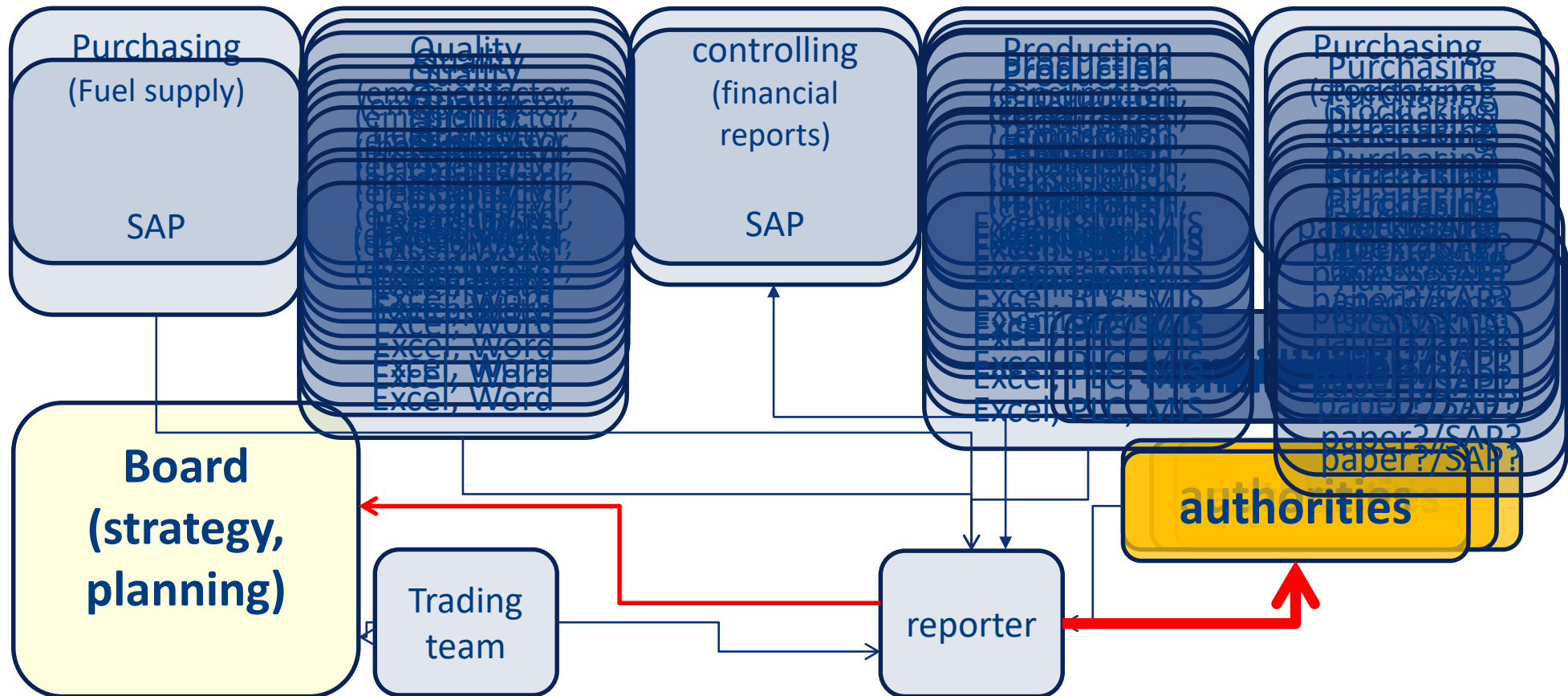
one true report for the company





Technical Reporting 2004 Basics and historical situation

In fact: **one true report for the company?**





The solution:

three steps from „simple reporting“ to a „**business process**“

1. Define a sustainable parole: our case

„**every fuel delivered plus the stock difference causes emissions**“

2. Define the rules of the game

Purchasing / Controlling

(incl. documentition for quantity, quality, emissionfactor, validation of the laboratories, the weighers, complaints, SAP documentation of the deliveries and consumption)

Controlling

Stockintake per 31.12.xx

Reporting (15d/a)

Sustainability check, site visits, strategy proposals, board and authorities information

3. Choose the instruments: our case - SAP/ Siemens MIS



It takes 2min to be informed

Energiebericht

Pfeifer & Langen - Grundproduktion



Datum: von: 01.01.17 bis: 31.12.17

aus Dicksaft/Ablauf
aus Rüben

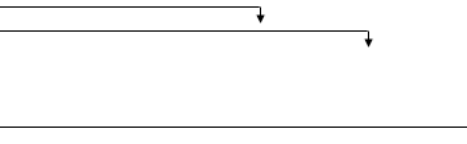
279	Tage
555	Tage

Status:

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Reine Rüben verarbeitet
Zuckerverzeugung gesamt
Zuckerverzeugung kristallin
RZ-Kläre zum Flüssigzucker
Verkauf Dicksaft / A-Ablauf
Erzeugung Fertigware

Masse	ME
6.655.745	t
1.372.412	t WW
1.072.405	t
30.533	t WW
9.514	t WW
1.112.452	t WW



Kessel

B-Kohlenbrikett
Steinkohle
Heizöl S Kessel
Heizöl EL Kessel
Erdgas
Biogas
Kalksteinmehl
Kessel (gesamt)

Heizöl EL für Heizung
Gas für Heizung
Heizung (gesamt)

Masse	ME	Energie	Heizwert	spezifische Werte		
				MWh	kWh/ME	kWh/t Rb
160.195	t	879.196	5.488	132,10	640,62	790,32
2.588	t	23.151	8.947	3,48	16,87	20,81
	t					
44	t	521	11.833	0,08	0,38	0,47
44.621	TNm ²	427.949	9.591	64,30	311,82	384,69
3.335	TNm ²	18.344	5.500	2,76	13,37	16,49
1.694	t					
1.349.161	MWh			202,71	983,06	1212,78
457	t	5.410	11.833	0,81	3,94	4,86
483	TNm ²	4.633	9.584	0,70	3,38	4,16
10.042	MWh			1,51	7,32	9,03



Enjoy Your stay in Cologne – support the local economy!

For further discussion:



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70g Diamant Feinster Zucker –

170g Diamant Brauner Zucker –

Kölner Zucker

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