

Operations continuity planning

Bispingen

Powder coating Bisingen

The risk of a full break down of the powder coating plant in Bisingen is comparably low due to the second coating plant in Fürstenwalde

Powder Coating

Mainly small and mid size parts

All small and mid size parts in Germany

6 employees

Key part of our quality promise

Move all parts to Fürstenwalde powder coating plant

Transfer of Bisingen employees for second shift

No quality loss expected

Increase weekly transportation volume and frequency

Other Options

Thailand plant

PB Schopisdorf

Enveral

Risk analysis

Cost risk:



Time risk:



CoGS



CNC machining Bispingen

Moving over to a supplier can be done in reasonable short time, the CoGS (running cost) though will rise quite remarkably

CNC machining

4 automated CNC machines

23 employees about
12 of them working
in shifts

Individual program
per part

Classen-laser (supplier)

Programs with help of
WE-EF workforce
rewritten

Similar machinery

Wide range of
processing steps
possible

Other Options

Kreyenberg

Schäfer

Thailand

Risk analysis

Cost risk



Time risk



CoGS



Assembly Bisingen

The assembly is mainly based on the knowledge of the workforce a full break down could be handled quickly and with low costs

Assembly

~28 FTE

Own carton box cutting machine

Glueing of glas by robot

Assembly in Fürstenwalde

Utilization of exisiting tables

Build up more tables in Füwa

Look for alternative halls in or around Bisingen

Reactivate packing material supplier, and glueing by hand

Other Options

Thailand factory

Lebenshilfe

Risk analysis

Cost risk



Time risk



CoGS



Gravity die casting Bispingen

Moving all of our gravity die casting to the Thailand plant would cost a lot of logistic cost in the start, the impact on CoGS afterwards would stay low

Gravity die casting

Completely manual at the moment

5 FTE with high experience

Most tools not ready for automation

Thailand plant

3 FTE and easier access to new ones

3 machines running max.1 shift at the moment

Tools and technique identical to germany

Other Options

Fürstenwalde

Third party (tbd)

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Risk analysis

Cost risk



Time risk



CoGS



Operations continuity planning

Neuendorf i. Sande

Powder coating Fürstenwalde

The risk of losing the coating plant in Fürstenwalde is comparably low due to the second coating plant in Bispingen and the supply structure with Enveral

Powder Coating

Mainly mid size parts and poles

All poles in Germany

5 employees

Key part of our quality promise

Move all mid size parts to Bispingen and poles to Enveral

No measurements in Bispingen needed

No quality loss expected

Enveral is already hot dip galvanizing our poles, powder coating no problem

Other Options

PB Schoppsdorf

Tecpoles

Risk analysis

COGS risk:



Time risk:



CoGS



Poles manufacturing

6 FTE

Automated plasma cutter

Most poles are special constructions

Tecpoles

Biggest manufacturer in Europe

Raw material partially already from Tecpoles

Inhouse capacity exceed our capabilities by far

Other Options

Fuchs Europoles

Risk analysis

Cost risk



Time risk



CoGS



Sheet metal fabrication Fürstenwalde

Risk and solution in 1 sentence

Sheet metal

Punching machine

Punching machine
with tools

New laser cutter to
arrive in Q2

Classen-laser (supplier)

Programs with help of
WE-EF workforce
rewritten

Similar machinery

Wide range of
processing steps
possible

Other Options

Tbd.

Fact

Fact

Risk analysis

Cost risk



Time risk



CoGS



High pressure die casting Fürstenwalde

Risk and solution in 1 sentence

High pressure die casting

10 FTE

2 machines fully automated

All tool fitting to our machines

Thailand

3 machines covering our sizes

Tools would have to be refitted

Own toolshop

Other Options

Fagerhult connections

Fact

Fact

Risk analysis

Cost risk



Time risk



CoGS



Department and location
Risk and solution in 1 sentence

Current process

Fact

Fact

Fact

1st Option as continuity

Fact

Fact

Fact

Other Options

Fact

Fact

Fact

Risk analysis

Cost risk

Time risk

Running cost risk