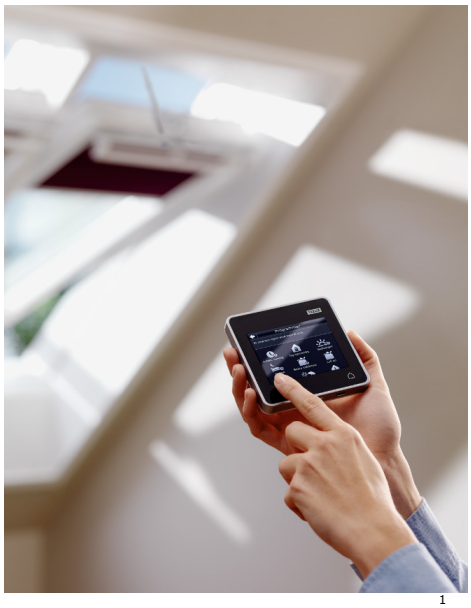
Integreret produktudvikling

Præsentation: SESAM seminar marts 2013

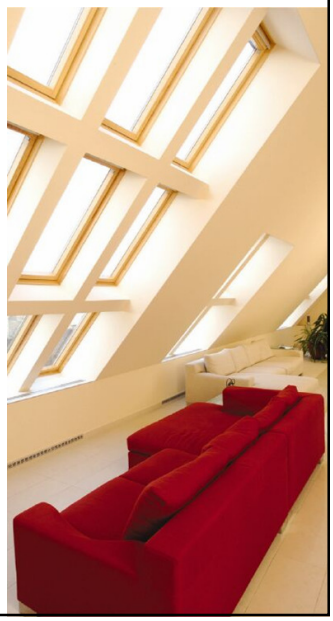


Agenda

- VELUX gruppen
- Kompetencecenter / Lead Factory
- Technologi center

VELUX Gruppen

- Etableret i 1941
- Mere end 10.000 ansatte globalt
- 2.600 i Danmark
- VKR Holding
  - Omsætning 2011: 17,6 mia.
  - Overskud efter skat 2011: 1,0 mia.
- Salgsselskaber i knap 40 lande
- Produktion i 11 lande
- Hovedsæde i Hørsholm
- Ejet af VKR Holding, et fonds- og familieejet aktieselskab
- Et af de stærkeste globale brands i byggematerialeindustrien
- Navn og varemærke registreret i 100 lande



VKR Holding

Koncernoversigt
Fire overordnede forretningsområder

Ovenlysvinduer & skylights

VELUX

RoofLITE

Facadevinduer

DOVISTA

VELFAC

Rationel Vinduer

SP Fönster

Traryd Fönster

Mockfjärds Fönster

West Port

Natre Gruppen

O.H. Industri

Snidex

Gienow

Award

Loewen

Termisk solenergi

SolarCAP

General Solar Systems

SONNENKRAFT

ARCON Solar

Heliodyne

GREENoneTEC Solarindustrie

EMMVEE Solar Systems

Ventilation & indeklima

WindowMaster

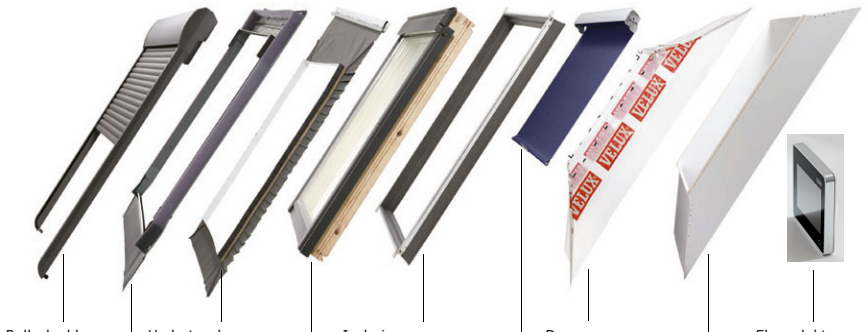
Monodraught

EXHAUSTO

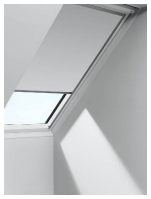
Novema

drexel und weiss

Produktområder i VELUX



Produktområder i Accessories

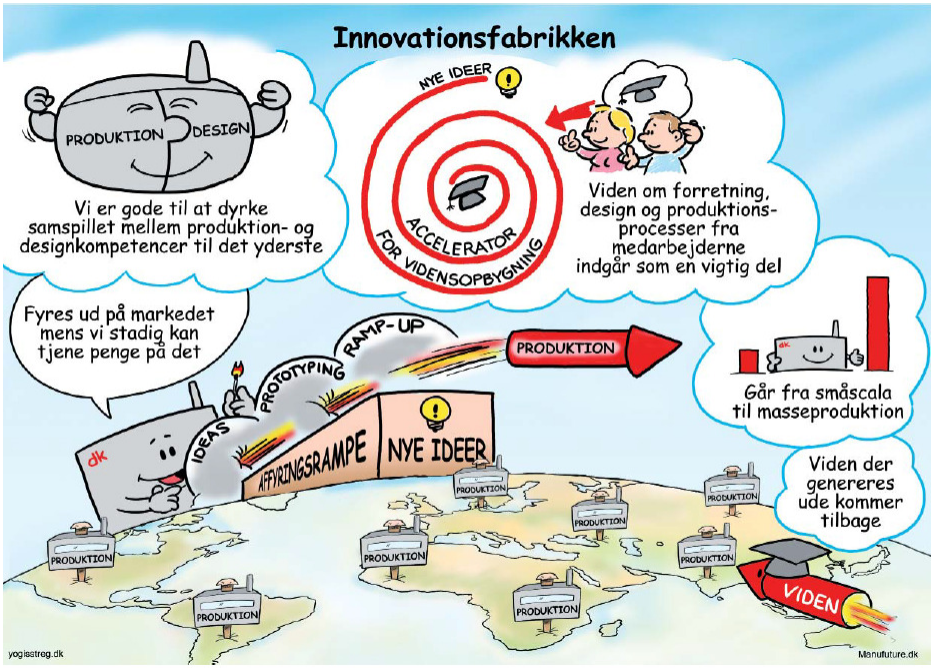
DSP (1970)	El (1982)	Rulleskodder (1987)	Installation (2001)
 **Mørklægningsgardin**	**Fjernbetjening**	**230V/manuel**	**Lysningspanel**
Kombi	**Solar kit**	**Solar**	**Isoleringsramme**

Kompetencecenter

- Integreret produktudvikling og sikring af samspillet mellem udvikling, kvalitet, test, indkøb og Lead Factory

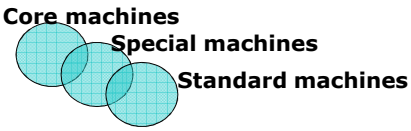
Lead Factory-rollen indebærer

- Indkøringsfabrik for nye produkter og større produktændringer samt efterfølgende sourcing/outsourcing
- Kvalitetskoordinering
- Logistikkoordinering



A-TI-Skjern (Accessories Technology Implementation)

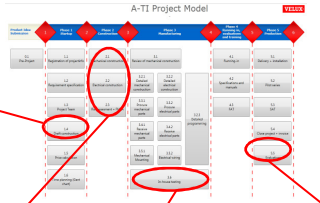
- Udvikler, designer, konstruerer og fremstiller produktions-, testudstyr & software til primært VELUX Accessories.
- 1 afdeling i Frankrig (A-TI-Marnay)



Responsible: Project leader A-TI DK

Development and manufacturing Prototype/1. generation machine

Workshop(s) vedr. koncepter.

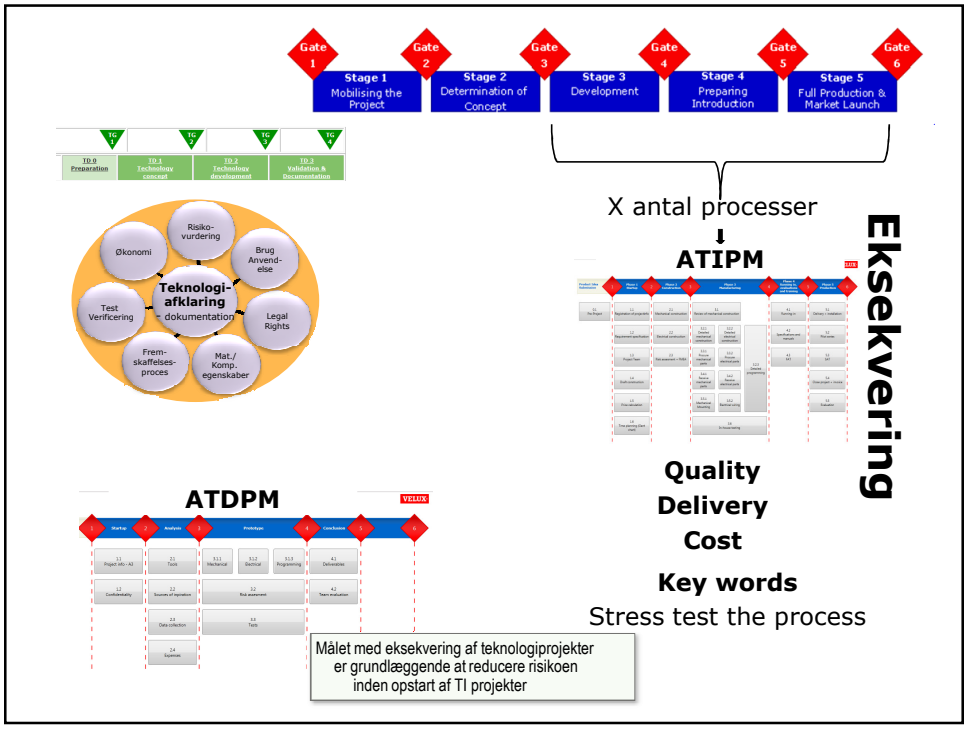


➢Review af 3D konstruktion

➢FMEA workshop.

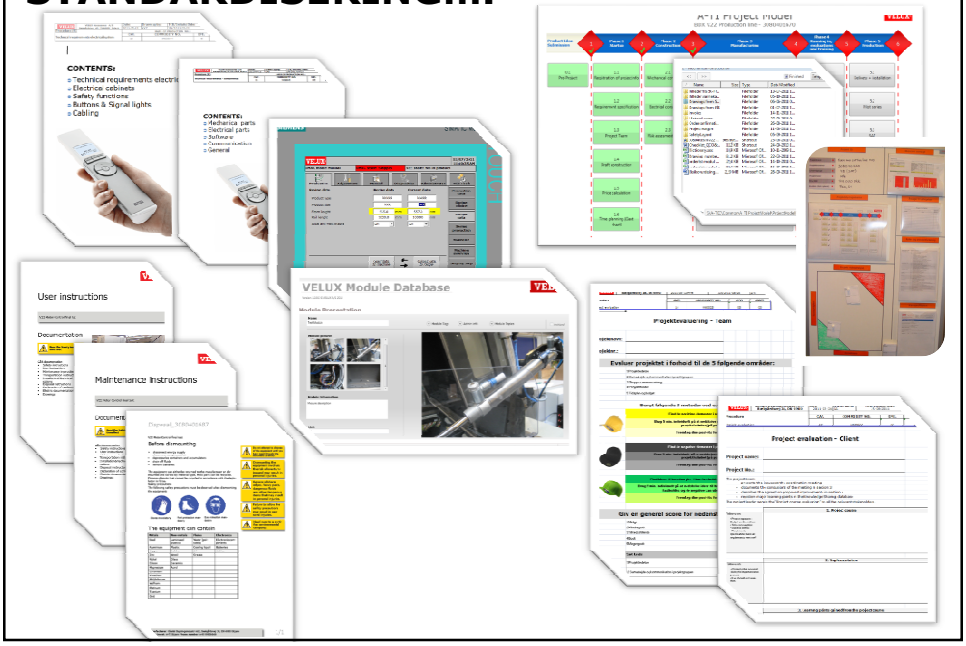
In house test

Evaluering

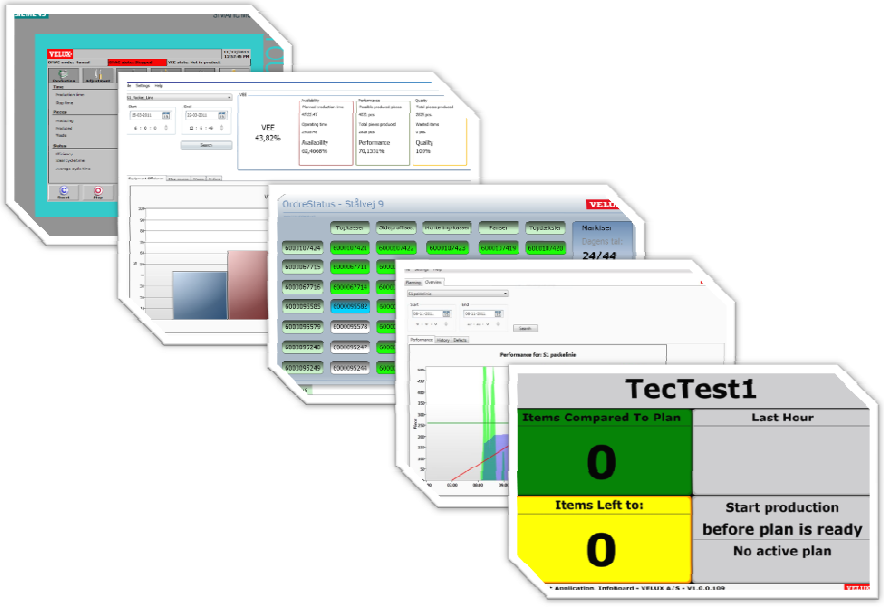

Gate 1
Gate 2
Gate 3
Gate 4
Gate 5
Gate 6
Stage 1 Mobilising the Project
Stage 2 Determination of Concept
Stage 3 Development
Stage 4 Preparing Introduction
Stage 5 Full Production & Market Launch
X antal processer
ATIPM
Eksekvering
Risiko-vurdering
Økonomi
Brug Anvend-else
Teknologi-afklaring - dokumentation
Test Verificering
Legal Rights
Frem-skaffelses-proces
Mat./ Komp. egenskaber
ATDPM
Quality
Delivery
Cost
Key words
Stress test the process
Målet med eksekvering af teknologiprojekter er grundlæggende at reducere risikoen inden opstart af TI projekter

VELUX
VELUX Manufacturing model (LEAN)
Just in Time
Built in Quality
Continuous Improvement
TPM
Problem Solving
Quick Change-over
5S
Visual Factor
Standardised Work
Knowledge Sharing

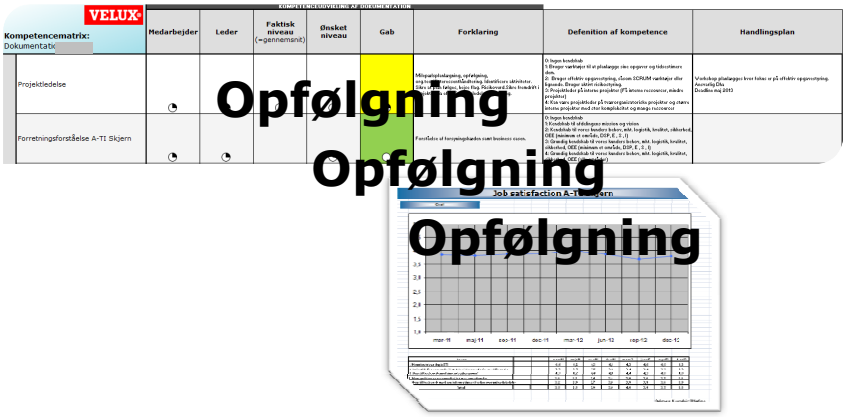
STANDARDISERING....



MES/MIS



Medarbejderne er vores vigtigste aktiv



….High performance teams

…..Projekt**LEDELSE**

…….Co-Creation (samskabelse, knowhow -> who we know)