



HUGA

TÜRELEMENTE
OBJEKT
WOHNEN

Dubai Green Building Seminar

Responsible use of natural resources in
modern building components

Speaker:

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certified engineer for wood technology



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About HUGA

- Founded in 1956 in Gütersloh Germany
- Producing in 4 plants on approxm. 60.000m² of factory floor
- 350 employees
- Production capacity of 1200 -1500 door elements per shift (8 hours)

Manufacturing program

- Standard door elements
- Design door elements
- Glass doors
- Sliding door elements
- Moisture proof door elements
- Wet room door elements
- Fire resistant door elements
- Smoke proof door elements
- Sound insulating door elements
- Thermal rated door elements
- X-ray proof door elements
- Shot gun resistant door elements
- Multifunctional door elements
- Security door elements



Where is HUGA saving natural resources ?

- Construction of HUGA door elements
- Purchasing of raw materials for HUGA door elements
- Production of HUGA door elements
- Installation of HUGA door elements



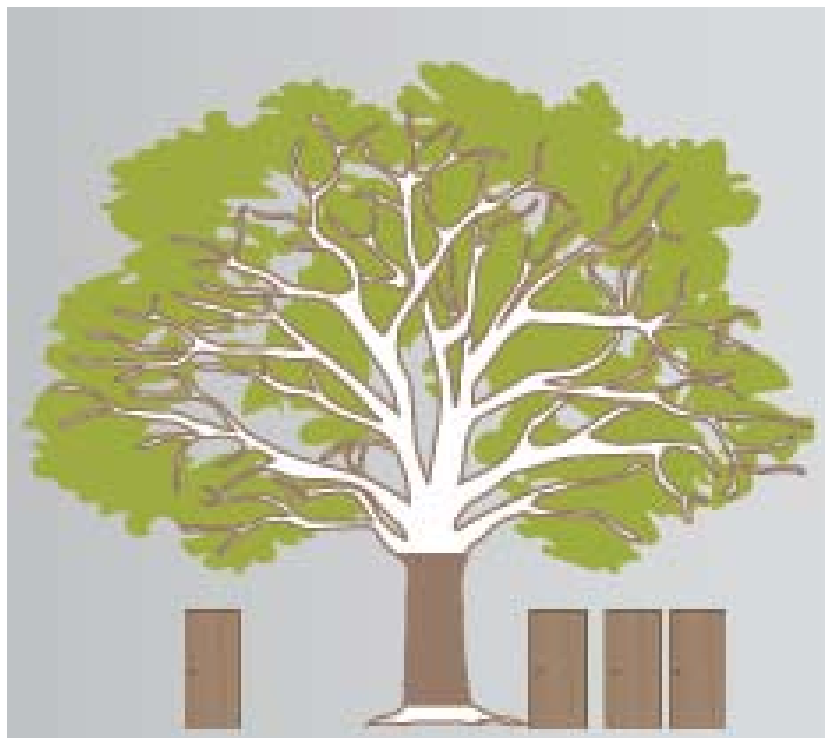
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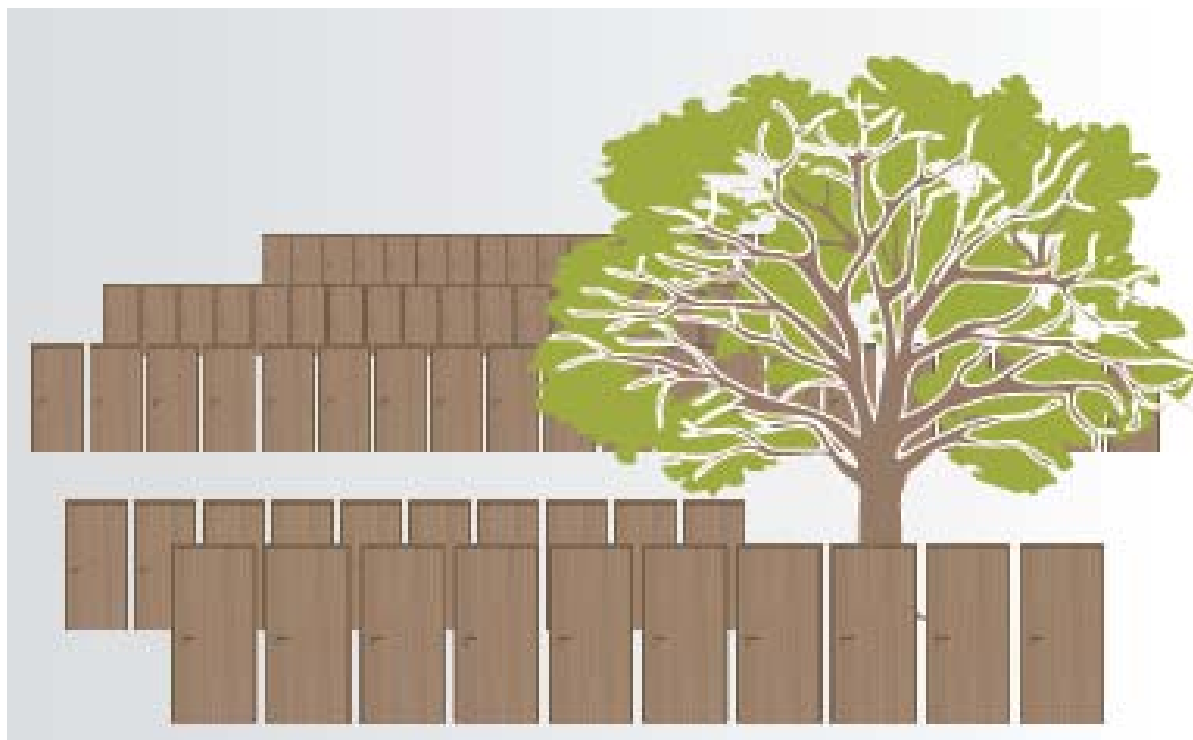
Where is HUGA saving natural ressources ?

- Construction of HUGA door elements

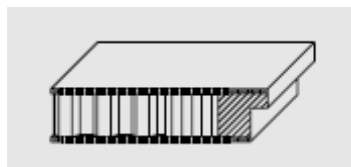
Construction of solid door elements !



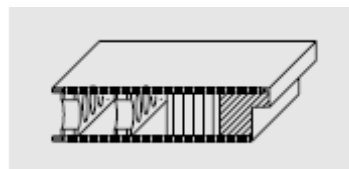
Construction of HUGA door elements today !



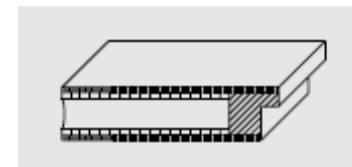
Construction of HUGA door elements



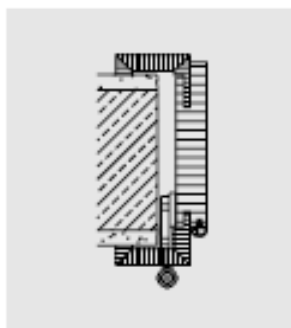
Type 26 honeycomb core



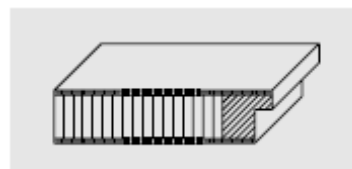
Type 26 tubular chipboard spacer



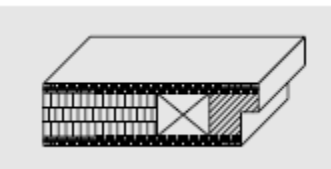
Type 33 tubular chipboard



Wrapp around frame



Type 35 solid chipboard



Climate class III /
sound insulation
class 2 (37dB)



Surface mounted
timber frame



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Construction of HUGA door elements

- are purpose built to different requirements
- uses alternative materials where technically and practically feasible
- Uses natural resources efficiently
- gets constantly reviewed and improved

Where is HUGA saving natural resources ?

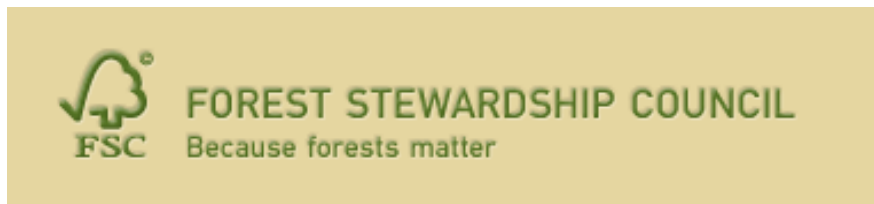
- Construction of HUGA door elements
- Purchasing of raw materials for HUGA door elements



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Purchasing of raw materials for HUGA door elements



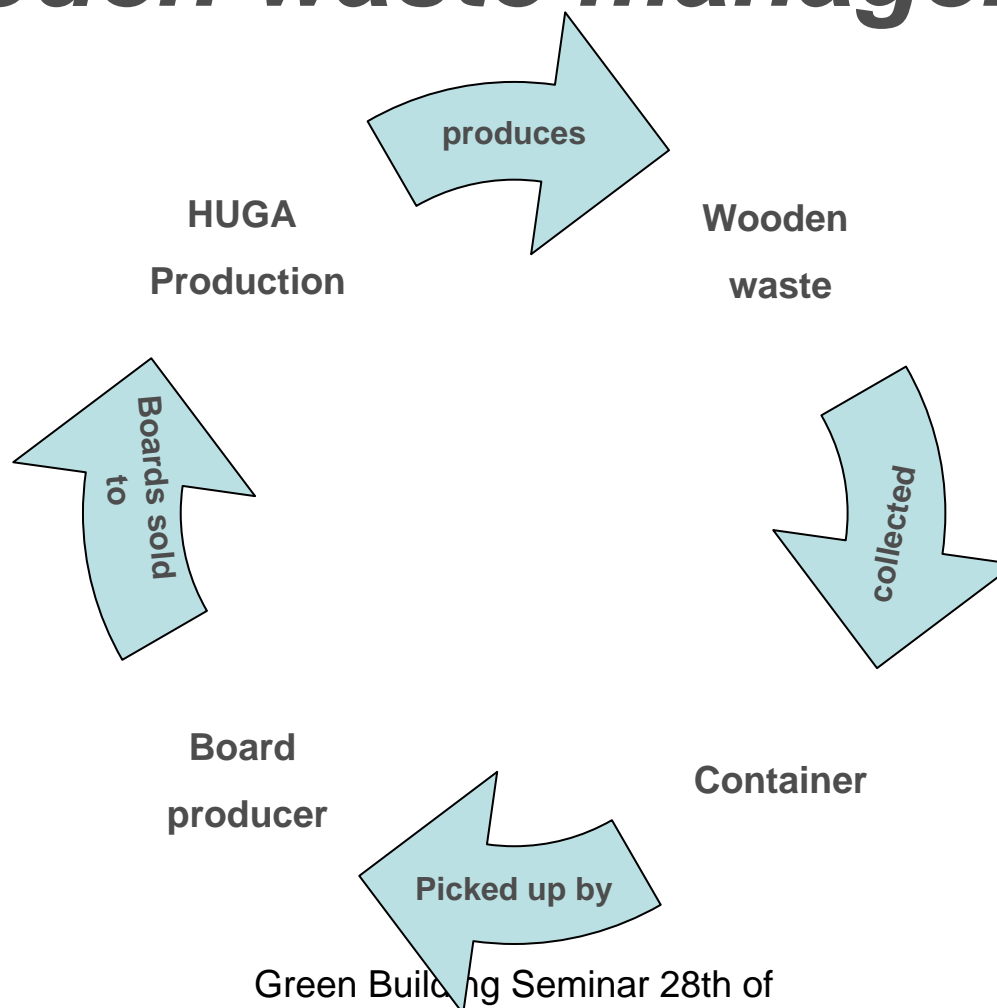
Purchasing of raw materials for HUGA door elements

- All board materials are E1 classified
- Solid wood comes out of controlled sustainable forest cultivations
- Veneer comes out of controlled sustainable forest cultivations
- Suppliers for solid wood and veneer have to proof the origin of the materials

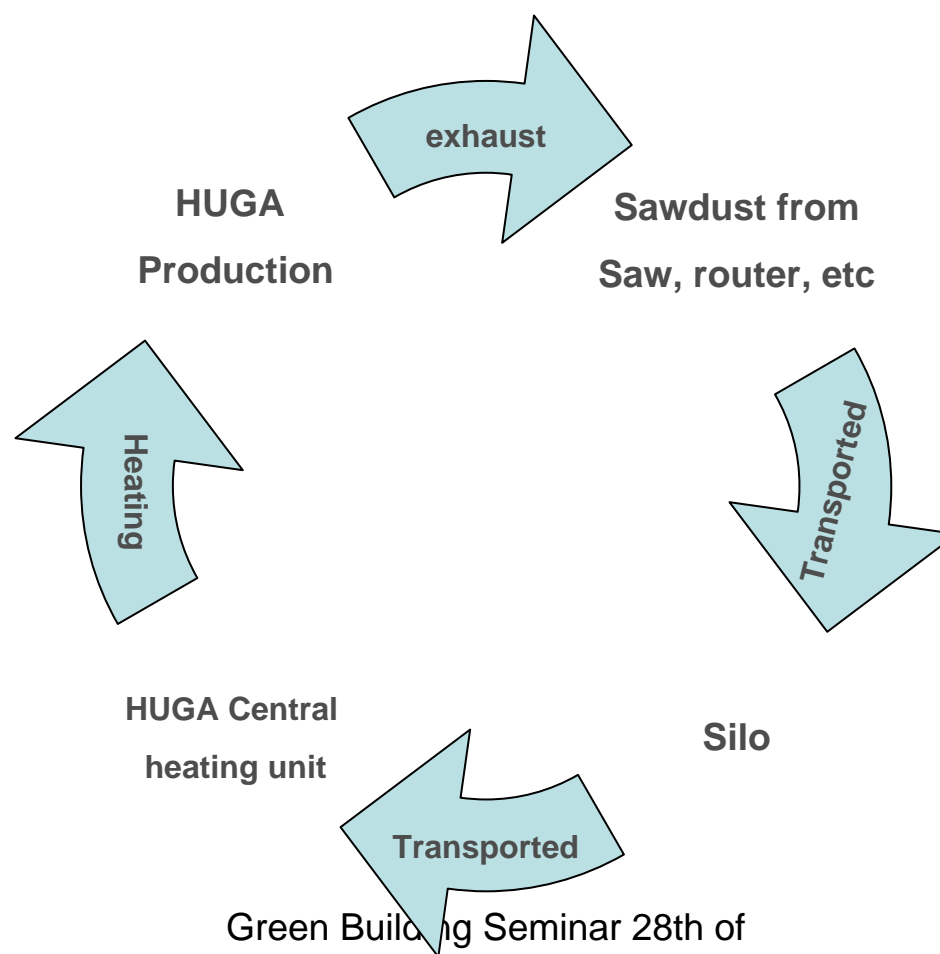
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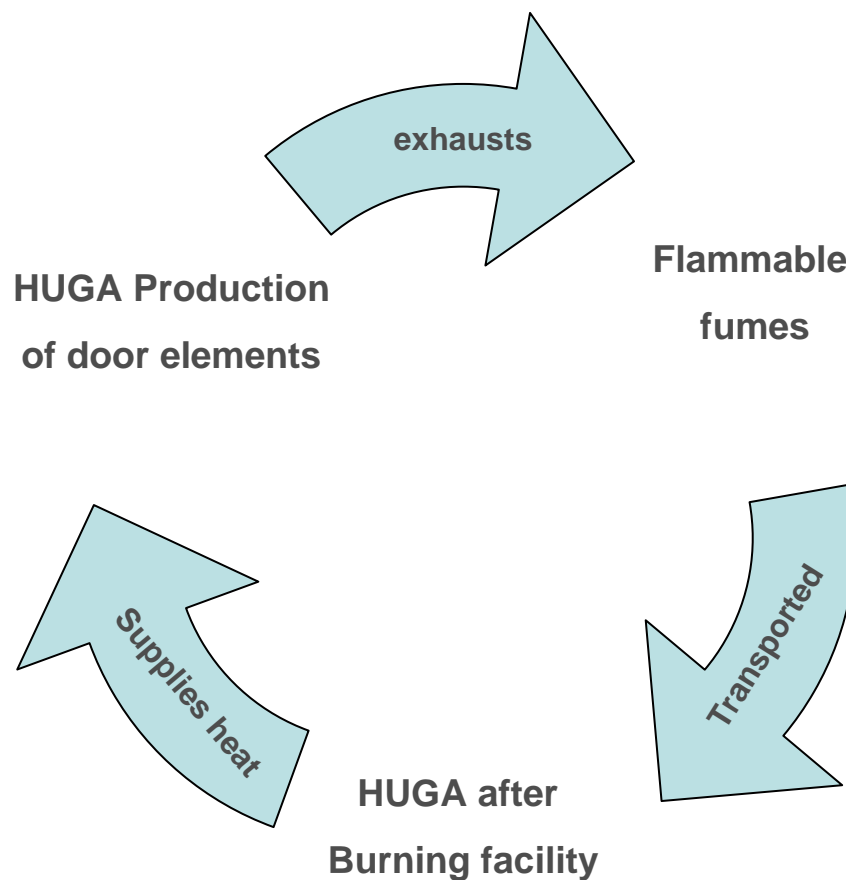
Wooden waste management



Wooden waste management



Thermal after burning facility



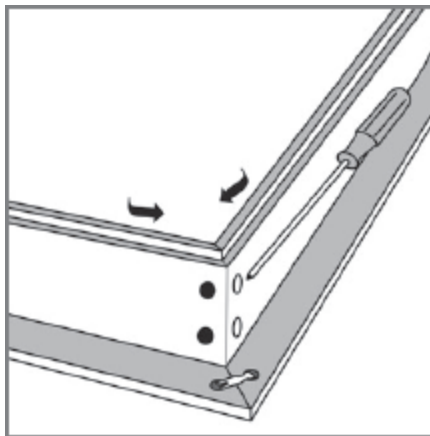
Production of HUGA door elements

- wooden waste materials get recycled in particle boards, MDF, etc.
- Sawdust is collected and used for heating the factories
- Thermal after burning facility that is heating the presses
- Waste separation

Where is HUGA saving natural resources ?

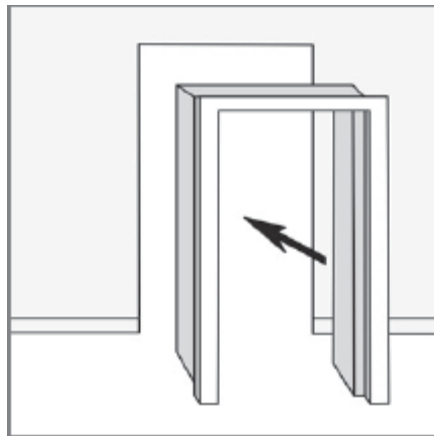
- Construction of HUGA door elements
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HUGA door elements are installed in 30 min !



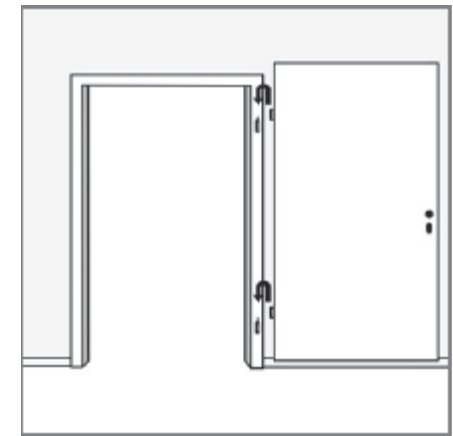
**Assembling of the
flat packed frame**

12 min



**Installing the frame
with foam**

10 min



**Hanging the door +
fixing the handles**

8 min

Installation of HUGA door elements



Lock and striking plate are assembled in door and frame



hinges are assembled in door and frame

Installation of HUGA door elements

- HUGA door elements are installed in 30min !
- HUGA door elements come prefinished
- HUGA door elements come with hinges, lock and striking plate assembled



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Thank you for your attention !

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