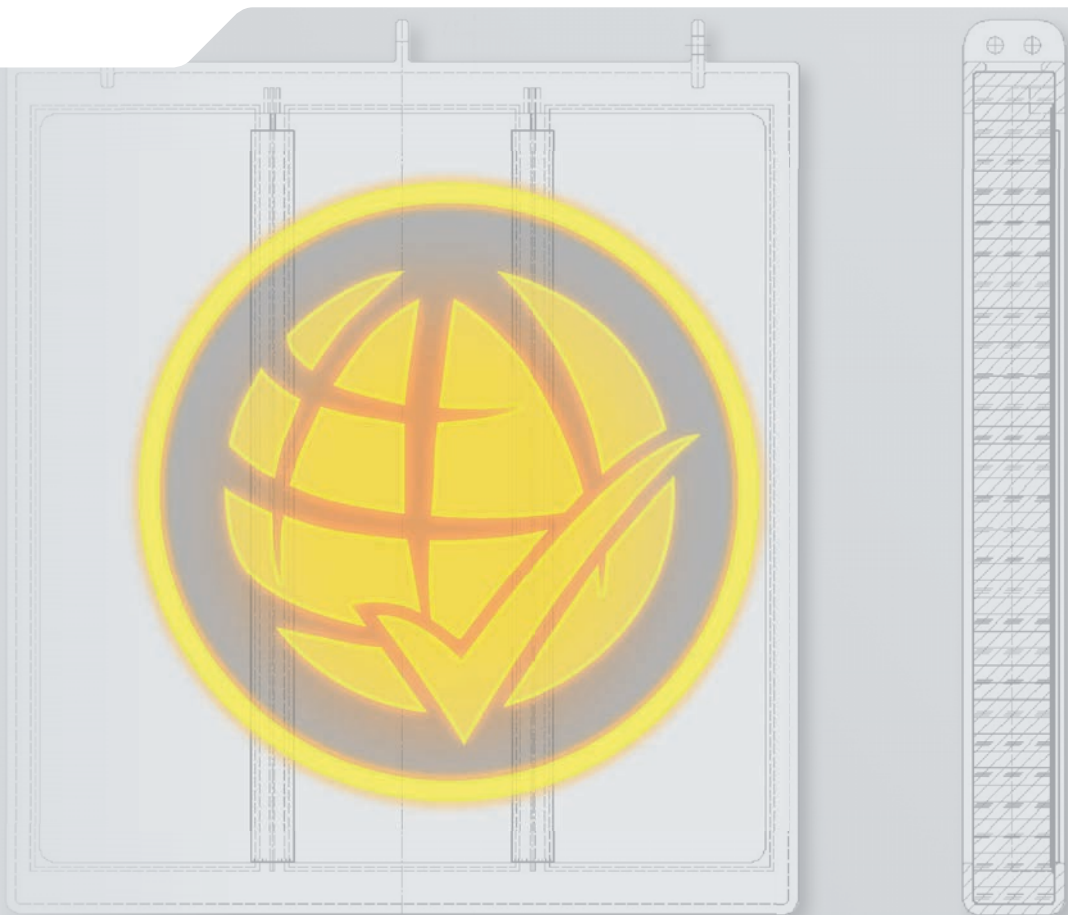


Performance Optimizations and Improved Energy Efficiency for AICHELIN Plants

Improved design of the inner doors



REBUILDING AND MODERNIZATION

Performance optimization + process reliability + energy efficiency

OPTIMIZATION OF THE INNER DOORS

The inner doors are subjected to extreme stress during operation:

- High temperature loads
- Dynamic forces affect the door frames, suspension, lifting chains and the entire drive system
- Dynamic forces and vibrations burden the insulation
- Components are subjected to mechanical stress depending on the weight of the insulation

THE AICHELIN SOLUTION: REDUCED WEIGHT AND IMPROVED INSULATION

- Reduction of the weight of an inner door by 40 – 60 kg through installation of fiber insulation instead of masoned insulation
- Density of the fiber insulation 30 – 50 % less than masoned insulation (depending on the compression of the fibers)

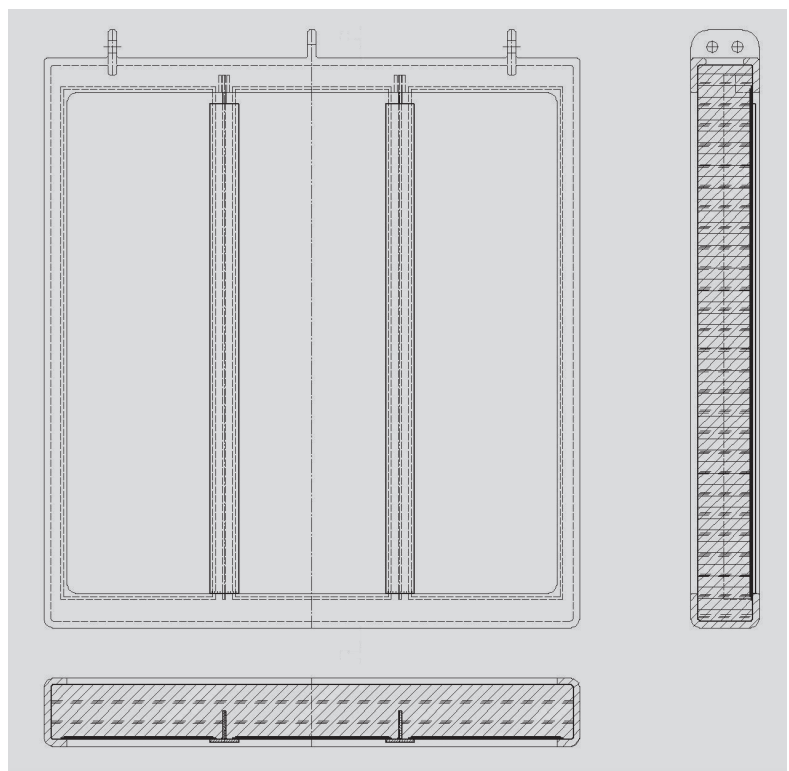
YOUR ADVANTAGES

Advantages to fiber insulation:

- Better insulating effect
- Longer downtime
- Vibrations and impacts do not cause the insulation to crack
- Increase of downtime of the suspension brackets, chains and drive elements as a result of low weight
- Easier handling during maintenance work with a lighter inner door

YOUR RELIABLE PARTNER

- Perfect integration into your AICHELIN heat treatment plant by the original manufacturer. with warranty



Optimized inner door with fiber insulation