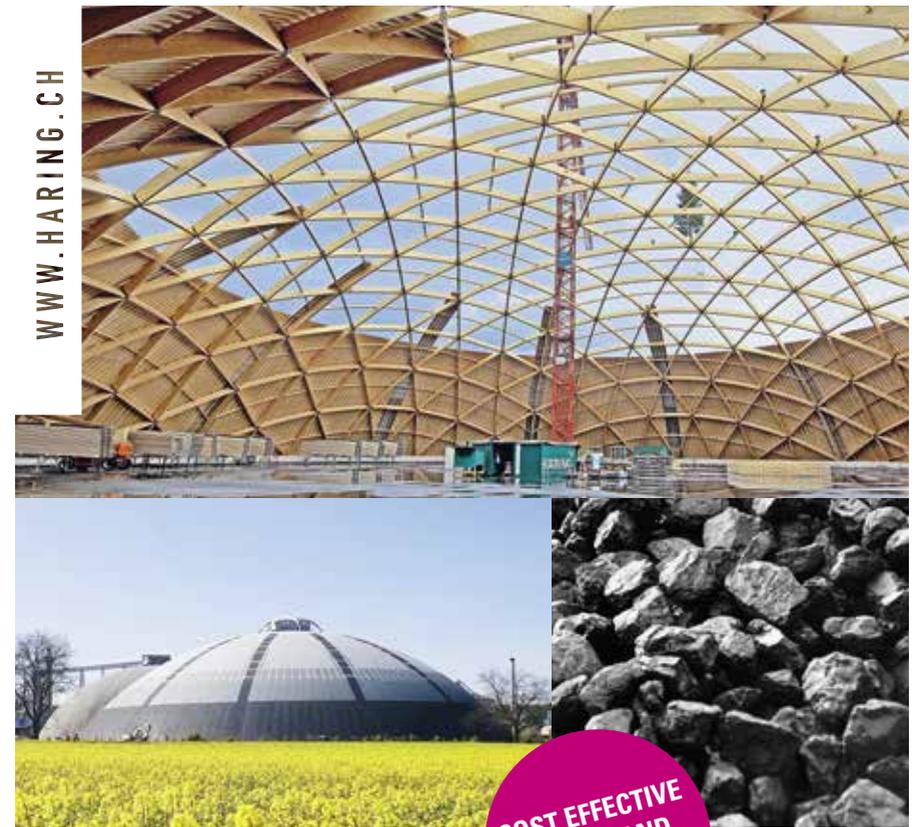


**BULK DEFINE SPECIFICATIONS** \_Angle, density, input and output feeding, stock method for your operating equipment. Our Dome handling operations solution allows you to achieve the full benefits as part of an optimized package.



**COST EFFECTIVE STORAGE AND OPERATIONS**

## COAL DOME

**OUR DOME SYSTEM PROVIDES A UNIQUE SOLUTION TO THE BULK STORAGE INDUSTRY** \_Besides the beautiful design of the structure,

our Dome system storage meets the demands of the industry providing a potential free span from 80m up to about 200m. You profit from highest volume-per-square-meter ratio, optimized logistics and minimum maintenance requirements.

## WE KNOW ABOUT YOUR SPECIFIC COAL STORAGE SOLUTION

The Dome system allows a wide range of handling methods. Häring can provide you, according to your specific demands, with an individual tailored package for storing coal. The ultimate goal is to achieve the most efficient value per m<sup>3</sup> of coal stored. Our «less is more» concept is the key for a successful overall optimisation according to your needs for profitable storage space and operation. To evaluate the added value of our Dome:



**EFFICIENCY** \_Providing the highest storage capacity per m<sup>2</sup>. Ease of transportation, reduced civil engineering work in large part due to shallower foundations and unnecessary wall enclosures combined with a high precision timber structure enables fast assembly times on client site.



**HANDLING SPECIFICATIONS** \_Enabling any handling operation and input or output handling operation to meet your capacity needs. With clear span for utility vehicles and stacker-reclaimer systems.



### FIRE, MAINTENANCE AND CORROSION

\_Timber glue laminated beams have a proven fire stability of greater than 30 or 60 minutes and offer high resistance in hazardous environments. Minimal maintenance is guaranteed.



**DESIGN AND FUNCTION** \_Your coal storage with the elegance of an opera house that provides maximized flexibility to your operation.

## COAL DOME

		MODULE
<b>ROUGH ESTIMATION</b> Free of charge	<ul style="list-style-type: none"> <li>_Basic package (structure, foundation, envelope)</li> <li>_Rough cost estimation, ±20%</li> <li>_Assumed dimensions</li> </ul>	
<b>PRELIMINARY STUDY</b>	<ul style="list-style-type: none"> <li>_Basic conditions</li> <li>_Specs definition</li> <li>_Project sketches</li> </ul>	<ul style="list-style-type: none"> <li>_Cost estimation, ±10%</li> <li>_Rough timescale</li> <li>_Handling system</li> </ul>
<b>PRE DESIGN</b>	<ul style="list-style-type: none"> <li>_Pre-structural calculations</li> <li>_Pre-project plans</li> <li>_Planning permission</li> </ul>	<ul style="list-style-type: none"> <li>_Final budget</li> <li>_Schedule</li> </ul>
<b>ENGINEERING PRODUCTION TRANSPORT</b>	<ul style="list-style-type: none"> <li>_Structural calculations</li> <li>_Implementation plans</li> <li>_Specification of services</li> </ul>	<ul style="list-style-type: none"> <li>_Final schedule</li> <li>_Production</li> <li>_Transport</li> </ul>
<b>ASSEMBLY</b>	<ul style="list-style-type: none"> <li>_Site management</li> <li>_Implementation</li> <li>_Schedule control</li> </ul>	<ul style="list-style-type: none"> <li>_Quality control</li> <li>_Commissioning</li> </ul>

## BENEFIT FROM OUR SERVICE MODULES

We are offering specific options with our distinct service modules to pave the economic way for your best Dome system storage solution. Our expertise and experience in engineering renewable products provides you with an advantageous, sustainable building approach. To ensure quality and consistency we use quality management systems certified ISO 9001:2008.