

# SAPEG

75 years of experience and leading innovator in tools and hard metal wear parts



[www.sapeg.no](http://www.sapeg.no)



## An experienced supplier

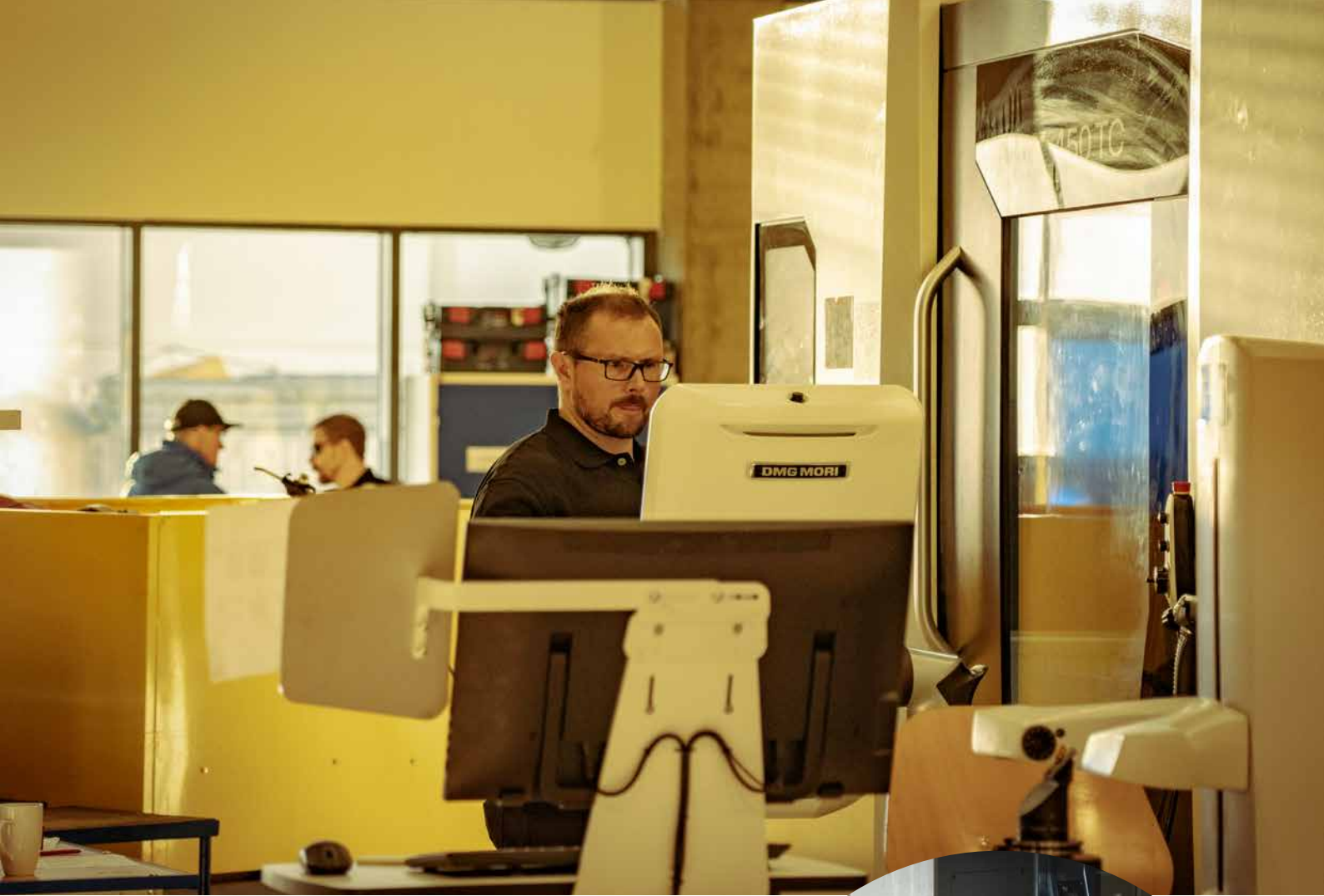
SAPEG was established in 1984. In 2005 we merged with ASDIA, a cemented carbide manufacturer that was founded in 1947. Our products are built with our cemented tungsten carbide solution, which is durable, long lasting and strong. With 75 years of experience in engineering and production in-house, SAPEG is a leading innovator of cemented carbide tools and wear parts aiming towards continuous development and growth.

## Wherever there is wear on critical industrial equipment, SAPEG have a solution

One of our specialities is custom made wear parts and solutions, where we develop and produce products to the individual needs of our customers and their use. We offer state of the art wear solutions for a wide range of applications to companies within many industries, such as wood, aluminium, waste recycling, pulp and paper recycling and the energy industry.







## What is cemented tungsten carbide?

Cemented tungsten carbide is a sintered material mainly consisting of tungsten carbide and a binding agent. The main binder used in our product is cobalt.



## It is the mix that matters

The binder content and the grain size determine the mechanical properties of cemented tungsten carbide. A high binder content increases toughness, a low binder content increases hardness and wear resistance. The choice of grain size also affects the hardness: The finer the grain, the harder the material. The coarser the grain, the higher the fracture toughness.

SAPEG use tungsten carbide together with different cobalt content to give the mechanical properties needed for the product's area of application. Our products typically combine cemented carbide with machined steel parts, joined through brazing. This is to achieve a good combination of wear resistance and toughness in a cost-effective way.



# SAPEG

Contact us

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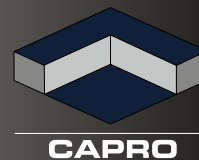
Thanks to our  
collaboration partners

VI GIR INDUSTRIEN KONKURRANSEKRAFT  
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