

Working together to find new solution.



CREATING A BETTER PRESENT, WITHOUT COMPROMISING THE FUTURE

In 1962 Rachel Carson published the book “Silent Spring” which drew attention to the negative effects chemicals and pesticides had on the environment. This is heralded by many as the start of the environmental movement we know today. The UN’s Brundtland Commission defined sustainability as “meeting the needs of the present without compromising the ability of future generations to meet their own needs.” To meet the sustainability challenges which we face as a society we need to work together, but we also need to be innovative and find new solutions.

by: BIM Kemi AB

These statements on sustainability were part of the philosophy of **Peter Wällberg**, when he established BIM Kemi in 1973 in rather modest premises in Sweden. It was quickly realised that appropriate innovation was paramount to success. Since then, BIM has become a medium-sized, family-owned company with first class laboratory facilities and personnel, offering great service to customers. From its start, BIM Kemi has been passionate about finding new solutions and innovations for the pulp and paper industry. This means not only working closely with the customers but also to work with others in the industry, leading universities and researchers. Working together opens knowledge exchange, creativity and innovation where fresh perspectives can meet and push the development forward. This is necessary since we need new ideas and solutions to achieve a more sustainable society.

GREEN CHEMISTRY FOR IMPROVED SUSTAINABILITY PERFORMANCE

The tissue industry and paper industry as a whole, has made great improvements in their sustainability performance over the past decades. You could argue that the tissue industry is one of the most sustainable industries today since tissue and paper are

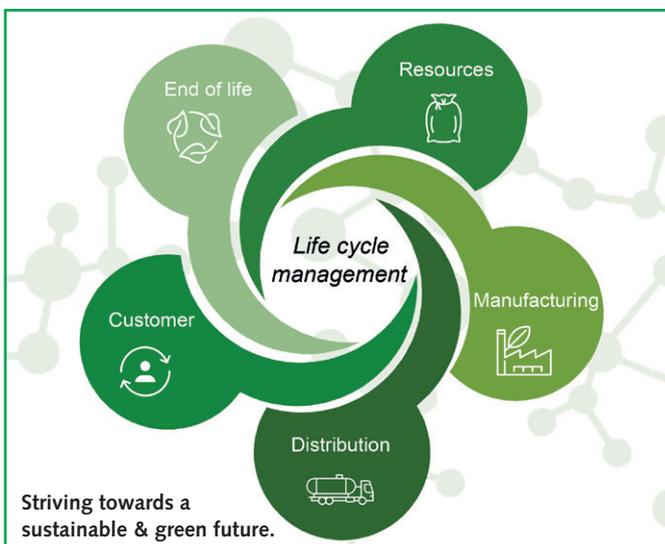
so highly based on an easily renewable natural resource and raw material: wood fibres. However, despite the positive advancements the industry has made, there are still many opportunities for continuous improvement. Consumers, brands and governments are increasingly aware of the threat posed by global warming and habitat destruction. Manufacturers have responded by putting sustainability "at the top of the tree" and implemented many improvements in tissue production. Three key challenges will always remain for tissue producers: fibre sourcing, minimising water consumption and reducing energy use during production. Sustainability measures will grow in importance for tissue producers as they continue to compete on product cost and performance. BIM Kemi always provide expertise to its customers' sustainability work, ensuring that they get the most out of their manufacturing processes while providing innovative solutions that help producers responsibly manage fibre usage, conserve water, save energy and meet regulatory compliance requirements.

BIM Kemi has always striving towards a sustainable and green future and has developed a strategy based on the UN Sustainable Development Agenda with the concept of *green chemistry*. Green chemistry at BIM is about applying a holistic mindset throughout the whole life cycle of products. It means every product needs to meet defined sustainability criteria. This consists of five steps: resources, manufacturing, distribution, customer sustainability and end of product-life. The objective is to create solutions originating from sustainable sources that are free from palm oil, biodegradable and renewable. Innovation has proven to be a pillar in the industry's strategy to support growth and sustainability. From value-added to affordable products, innovation is necessary to differentiate products in today's competitive market. The Head of Research **Heino Kuusk** says: "there must be room for innovation and a climate to try out new things and ideas in order to be innovative". This also means that there must be room

BIM Green Chemistry Innovations

- Recyclable and compostable barriers for paper bags
- Fibre protection technologies
- Barriers for environmental friendly fish packaging boxes
- High barrier coated laminates for environmentally-friendly packaging
- Technology for "easy washable" label paper for bottles
- Non-toxic slime control concept
- Talc free pitch control concepts
- BIM Process promoters for improving pulp quality and production

for failures and the ability and possibility to learn from them, to keep developing. Thanks to its size, the company has the possibility to be more flexible. This makes it possible to adapt to the customers' needs, which can often change. Thanks to its flexibility there is more room for innovation and the company can deliver higher quality to the customers, taking the industry forward. In essence, it all boils down to two things: to create more value from less resources and making the process efficient, flexible and profitable for the customers. BIM is with you every step of the way. ●



Investing in R&D to bring the industry forward.