

# DAMRC Newsletter – 2 / 2013

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*Should you want to learn more about project collaboration with the DAMRC and what the DAMRC can do for you and your business you are most welcome to contact Klaus Bonde Ørskov - [kbo@damrc.com](mailto:kbo@damrc.com)*

## Content

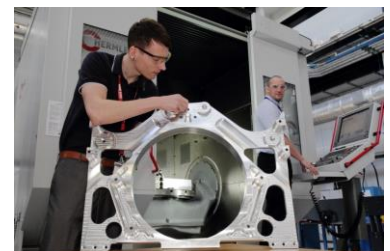
*In this newsletter you can read about the growth plans of the DAMRC with expansion and building of physical test-facilities and the new board of the DAMRC. The inspiration for the DAMRC is the English collaborator AMRC, to whom a visit just has been paid. You may also read about the latest new members – the software supplier CADSYS as well as further municipal support from Ikast-Brande municipality. With financial support from the Central Denmark Region the DAMRC has further possibilities of increasing the activities to the benefit of the Danish manufacturing companies.*

## DAMRC in Growth – Test-facilities

At the general assembly in the month of April 2013 the chairman reported about a DAMRC with ambitions of growth. Thus the DAMRC intends to make a physical difference with the setting up of DAMRC test-facilities. The test-facilities will serve as a framework of new technology-projects in collaboration with manufacturing companies, universities and the vocational schools.

The purpose of these new projects is like the projects that the DAMRC has already conducted still to improve the competitiveness of the Danish manufacturing industry. Earlier the DAMRC members have provided machine-time for the DAMRC activities. With the test-facilities it will be possible to conduct projects without disturbing running manufacturing processes within the companies and the DAMRC is therefore expecting an increase of projects.

*“Our manufacturing companies must be able to survive in the competition. When we support a center in our area the reason is, that we believe, that we can improve the competences in the manufacturing companies and among their employees – and thereby link manufacturing to innovation and a high educational level”* Says Mayor of Herning Lars Krarup (V) to Herning Folkeblad (*Herning Local Newspaper*) the 6<sup>th</sup> Maj 2013.



At the DAMRC test-facilities best-practice-solutions for advanced manufacturing processes will be developed, thereby giving the Danish manufacturing companies access to the lucrative niche-markets.



Mayor of Herning Lars Krarup (V)



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The board of the DAMRC has decided that the test-facilities must be located close to the Danish manufacturing companies and with a place in Herning a large part of these are reachable within 1 hours drive. The first part of the financing is with 5 Mio. DKR from the municipality of Herning in place. The DAMRC is expecting that the establishment of the test-facilities will have a total cost of 30 Mio. DKR. The remaining part of the financing will be raised through donations of e.g. machines and software, where several interested companies already have announced their interest.

It is expected, that the DAMRC will move into the new test-facilities within 18 months. The new test-facilities will open for even more interesting development projects to the benefit of the manufacturing industry and the DAMRC is expecting to hire further 6-11 employees before the end of 2014. At the same time this means that new physical surroundings will link the DAMRC even closer to a still unknown university. In collaboration with the university the DAMRC will employ a Technology Director and a work towards establishing a research group within machining technology at the university will be started. You will have the opportunity to read more about this in the next edition of the DAMRC newsletter.

## DAMRC Board – New Forces

In order to accommodate new forces in the board, Jesper Freltoft, Terma and Jan Jørgensen, Danish Aerotech left the board. From the DAMRC huge thanks are given to both Jan and Jesper for their work on the board of the DAMRC.

At the constituting board meeting the resigning chairman of the DAMRC Andreas Bürger, Vestas passed on the position to Søren Rossen Bech - Director Technology and Development, AH Industries. The Board elected Thomas S. Toftegaard Head of Department – Aarhus University Department of Engineering as deputy chairman. Andreas Bürger will continue as member of the DAMRC board. The DAMRC congratulated the new chairman and deputy chairman with the election and pays great thanks to Andreas Bürger for his work as chairman and Jan Jørgensen as deputy chairman for the DAMRC.



### **Test facilities for all Denmark**

*The DAMRC CEO Klaus Bonde Ørskov welcomes the Danish manufacturing companies – the DAMRC is the platform, where Danish manufacturing companies meet universities and vocational schools and together increase the competitiveness of the Danish manufacturing industry.*

*With our future test facilities the DAMRC can conduct even more technology projects to the benefit of the manufacturing industry – to the benefit of Denmark.*

### **DAMRC Board**

#### **Chairman**

*Søren Rossen Bech – AH Industries*

#### **Deputy Chairman**

*Thomas S. Toftegaard – AU Department of Engineering*

#### **Members**

*Andreas Bürger – Vestas*

*Carsten Risom – Kyocera Unimerco*

*Pia Snijder\* – Boeing*

*Lars Rasmussen – Multicut*

*Klaus Bolving – CenSec*

*Torben Henriksen – Erhvervsrådet Herning og Ikast Brande*

*Mette Højborg\* – Herning Kommune*

*\*(Observer)*



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## AMRC – Partner and Source of Inspiration

In the month of May 2013 the CEO of the DAMRC *Klaus Bonde Ørskov* together with *Brian Moran*, Vice President in Boeing Northern Europe visited the AMRC at the Sheffield University, in order to discuss the future possibilities of cooperation and to gain inspiration when establishing the DAMRC test-facilities. The AMRC was at in the year 2010 one of the 12 founding partners of the DAMRC.

The DAMRC and the AMRC have through the last 3 years collaborated on both optimization projects in Danish manufacturing companies as well as educational courses for Danish technicians and engineers. The AMRC have since their founding at the millennium experienced a remarkable growth. Thus the English AMRC is today employing 250 highly educated employees and has a yearly turnover of 180 Mio. DKR. The turnover is equally divided between contributions from industrial companies, the English government and public research funds.

AMRC can document their contribution to creating at least 1600 industrial jobs within the local industry and especially from the year 2009 and till today the AMRC has experienced a growth with a threefold of the activities. This underpins the fact that R&D centers of this kind can expect an exponential growth when the foundation first is set. With the establishment of the DAMRC test-facilities, new interesting possibilities of collaborations between the DAMRC and the ARMC are present in the future.

## Display window for your company

If you should have interest in reading more about the DAMRC and our members, you are most welcome to visit our new website - [www.damrc.com](http://www.damrc.com).

At our website you can gain an overview over the current members and partners of the DAMRC and hereby the network your company could become a part of. The DAMRC website is yet another possible display of your company.



*Director of the AMRC Adrian Allen (left) shows the DAMRC CEO Klaus Ørskov (right) and the VP of Boeing Northern Europe Brian Moran (middle) the AMRC laboratories.*

*With a membership at both the AMRC and the DAMRC Boeing is a vital driving force of both centers.*



*The AMRC has more than 8000 sqm. laboratory facilities. The AMRC activities at the "Advanced Manufacturing Park" (AMP) has also attracted the well-known research institutes TWI and CTI. Furthermore Rolls Royce has established 14.000 sqm. production facilities at the AMP. Here 150 employees will be occupied with production of advanced turbine blades for aero-plane engines. The physical proximity to the AMRC was crucial for the location of this factory.*



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## New Member– New Technology

With the announcement of the DAMRC test-facilities, a number of potential technology companies are showing interest in becoming a member of the DAMRC. As a member of the DAMRC you get access to the latest technological knowledge as well as the possibility of participating in interesting and crucial development projects. Thus the technology company CADSYS Scandinavia has now joined the DAMRC. Besides bringing technical knowledge on various software solutions, CADSYS will through their membership also make the software systems *imachining* and *SpaceClaim* available to the DAMRC. The DAMRC has in collaboration with CADSYS already carried out several optimization projects with success for companies, where a combination of *imachining* and modal analysis has given considerable production optimizations when machining various steels and aluminums.



*As reseller of the software solutions imachining and Spaceclaim CADSYS has a great interest in seeing the products being used successfully by a neutral user. The test-facilities will bring ample opportunity of conducting experiments in many different materials and work piece geometries. Hereby we can advise our customers even better – says Director of CADSYS Ricco Busk.*

## National Center with Local Support

### – Welcome to Ikast Brande Municipality

The DAMRC is a Danish research and development center and the DAMRC is approaching the total Danish production industry. The work of the DAMRC to increase the competitiveness in the Danish manufacturing industry is not only of interest to the industry. Also several municipalities collaborate with the DAMRC and latest Ikast-Brande municipality has – as a part of their business development strategy – joined as member of the DAMRC. This means that Ikast-Brande municipality together with Aarhus - , Herning – and Vejle municipalities now can offer the local manufacturing companies a unique number of services and development possibilities via the DAMRC. With this newly established collaboration Ikast-Brande municipality wants to focus on education and upgrading of the local workforce, in order to secure the right match between competence level and the advanced and high-tech production of the future.



*As a part of the business development strategy of the municipality of Ikast-Brande has joined as a member of the DAMRC.*

*The goal is to increase the competitiveness of the local manufacturing industry and to create new working places within high-tech niches.*



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## High Speed in the Production

The Central Denmark Region has as a part of the intensifying focus on the manufacturing industry assigned a larger financial contribution to the DAMRC. Hereby the DAMRC has even better conditions in increasing the global competitiveness of the Danish manufacturing industry. As a part of the collaboration with the Central Denmark Region the DAMRC will conduct a series of activities i.e. with focus on:

- Ensuring that companies strengthen their market- and technical insight
- Strengthening the companies interaction with knowledge institutions
- The companies increasing their participation in global innovation projects and value chain collaborations

The DAMRC has already with success conducted technology projects, where manufacturing companies in i.e. Skive, Viborg and the Horsens area have experienced production optimizations up till 30 %.

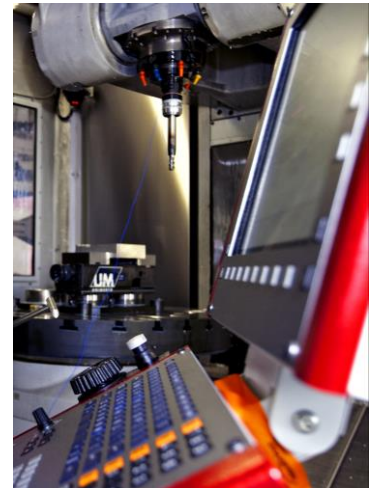
The agreement with the Central Denmark means, that the DAMRC increases the activity level and hereby invites interested industrial companies to take contact to the DAMRC in order to hear more about, how your company together with the DAMRC can increase your competitiveness.

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*If you receive this newsletter from a colleague and wish to register yourself for future updates from the DAMRC, simply send an e-mail to [kbo@damrc.com](mailto:kbo@damrc.com) with the text "Sign up to the DAMRC newsletter". If you have received the newsletter by mistake, you may unsubscribe at the same mail with the text "Unsubscribe from the DAMRC newsletter".*

*Kind regards*

*Klaus Bonde Ørskov  
General Manager, CEO DAMRC*



### **Will your company speed up the production?**

*The DAMRC increases the activity level and hereby invites interested industrial companies to a dialogue about collaboration possibilities and production optimization.*



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