



## DAMRC newsletter No. 4

This DAMRC newsletter is expected to be send out once a month – You are allowed to forward this newsletter to everyone interested in the DAMRC, but you are only allowed to quote from the newsletter in agreement with Chairman Ole Mørk Lauridsen [oml@damrc.com](mailto:oml@damrc.com) or Project Manager Klaus Bonde Ørskov [kbo@damrc.com](mailto:kbo@damrc.com)

In this DAMRC newsletter you can find news about, continued momentum of the first projects, new projects, a conference focusing on competitiveness and new technologies entering DAMRC.

### Phase three of the first project - an industrial success

The DAMRC-team has just started phase 3 of the Vibration analysis project. Unlike the first phases of the project, work is now focused on a specific part in the four participating companies.

So far, one of them has had a phase 3 visited and the results came immediately. In several cases were found huge optimizations and Dr. Peter Osborne from the AMRC in Sheffield, who have assisted in the phase 3 visit, is convinced the promised 30% optimization will be achieved. It is with great excitement and great optimism that Phase 3 is carried out with the other three companies in the 32nd week this year.

### Technical Committee visits AMRC to validate new technologies

In calendar week 28 the DAMRCs technical committee, consisting of technical committee chairman Carsten Risom (Unimerco), DAMRC Chairman Ole Mørk Lauridsen (Terma) and DAMRC Project Manager Klaus Bonde Ørskov, will be visiting the AMRC in Sheffield. Besides a series of discussions regarding the continued cooperation between the AMRC and DAMRC, a significant purpose of the visit is to evaluate a range of new technologies (for Danish industry). The technology Evaluations could be the foundation for new technology transfer projects and identify the next opportunities for cooperation between DAMRC and AMRC. The plan is to evaluate six technology areas under the following headings:

- Mill-turn / automation
- Fixture Design
- Handheld Harmonizer
- NDT of metal parts
- Titanium milling
- Measurement of big and complex parts

### Several new projects is in the pipeline

In DAMRC we continuously work to create new projects. The technical committee has recently retrained a pre-evaluation of 22 project ideas. The outcome of the evaluation is that there will be put effort in realizing 5-7 of the current projects.

The size and resource requirements vary widely and there are projects with very different competency profiles.

The work is currently among other things focused on creating the conditions for the start-up of a project about measurement of large parts and a development project focusing on vibration

analysis in connection with drilling operations. Work on the foundations of these projects is expected to be launched within the next 3-9 months. In general the two projects are very resource intensive and have a project period that exceeds two years.

In addition to the longer-term projects we are working to establish a course of one weeks duration concerning improved CNC programming by using new technologies, and a technology transfer project of a few months concerning NDT (non destructive testing) of machined metal parts.

If one of the above projects has aroused your interest, please feel free to contact our Project Manager Klaus Bonde Ørskov on [kbo@damrc.com](mailto:kbo@damrc.com) for a further description of the projects.

### **DAMRC participation in Global Warning Conference in Western Jutland**

Business Centre, Ringkøbing Fjord Business Council hosted on 29<sup>th</sup> of June an event with the creative name Global Warning. The event focused on the Ringkøbing-Skjern area's metalworking companies. The conference stated in general the threat, the Danish metal industry is facing as a result of increased globalization and low cost workers.

The event started off with a speech about how Danish companies have to act in China and why it is not all foreign companies that are successful in China. The audience was by this speech convinced that the Danish metal industry is on a burning platform.

The other speakers, including DAMRC speaker Klaus Bonde Oerskov, who spoke around the topic "process and product optimization" brought the audience the belief that we need not abandon the metal production in Denmark. DAMRCs message, that the Danish metal industry in many cases can optimize production with both 20 and 30% were followed by messages about clustering and specialization in niche production. Niches that were described were primarily offshore, wind energy and "oil and gas."

About 20 companies showed up for the event, and most of them were probably given "a little to think about".

### **Summer greetings**

Despite the many interesting sessions ahead of us and all the exciting projects underway, we have chosen to keep DAMRC completely closed in the calendar week 29. In the remaining weeks over the summer we will be open, but with reduced capacity until calendar week 32. From the DAMRC team we would like to use this opportunity to wish everyone a good summer and look forward to expanding our cooperation with existing members and partners and to welcome new members in the second half of 2010

### **Registration and deregistration of newsletter**

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

**Kind regards**

**Ole Mørk Lauridsen**

**Klaus Bonde Ørskov**

**Chairman**

**Project Manager**

**DAMRC**

