

PULSED POWER TECHNOLOGY & APPLICATIONS IN SCANDINAVIA

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ABSTRACT

The application of pulsed power is a new and promising technology with a large number of potential applications. The report describes existing and future pulsed power supply and technology in Scandinavia as well as present and future areas of pulsed power applications. A prioritization is made with the selection of the pulsed power applications assessed to be the most interesting on the Scandinavian market. A market assessment is performed for Scandinavia for the defined and prioritized pulsed power applications and a business plan is discussed in general terms.

The awareness of pulsed power technology and applications is generally very low in Scandinavia. Only in certain limited areas, primarily food, is there any activity or knowledge about pulsed power.

The market assessment showed some interesting marketing opportunities. The total potential seems large enough and the responses from customers are promising. As a result of the study, the final recommendations in this report is to start the introduction of pulsed power applications with a limited range of applications to a limited target group. It is also recommended that demonstration projects are started in Scandinavia to show the efficiency of gas and water treatment by pulsed power.