

Summary

Are we on the verge of a new era when it comes to environmental and sustainable power generation? Is there anything new coming up around the corner, which could revolutionize our way in generating heat and electricity and driving tomorrow's vehicles? Those are the questions that have arisen owing to the field Low Energy Nuclear Reactions (LENR) again has been shown attention. This report is an overview of the field Low Energy Nuclear Reactions or what it sometimes is called Cold Fusion. Devices and arrangements, which are declared to be based on the LENR technology, are now beginning to be demonstrated at some different locations in the world. The energy efficiency of those devices is said to substantially exceed the supplied energy needed to start and stabilize the process. If this is right – which is in question by many – we are confronted with the unexpected, that there is perhaps a new process which by far surpasses conventional fuel based energy conversion. Furthermore the devices are said to work without any appreciable environmental disadvantage. Or are those results now being shown consequences of error measurements and wishful thinking?