



# COFIRING 9 JAPAN WORKSHOP 25-27 FEB 2020

## Lessons learnt from European Biomass Projects

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Over the last decade in UK and Europe, there is a big generation of solid fuels. The Wolfson Centre is being heavily involved in design, troubleshooting, commissioning and assessment of many of these systems. As a result, we obtained a deep insight into the challenges involved and relative effectiveness of many solutions. This paper gives a review of the most common challenges that have been encountered, the relative merits of different solutions and their effectiveness. In particular, the issues addressed include control of dust emissions, fire and explosion, challenges with material flow, difficulties in ash handling, self-heating and housekeeping. The aim of this paper is to give prospective generators, project sponsors, system designers and equipment suppliers some guidance on how best to address these issues economically from the outset of a project to avoid the costly effects of safety problems, plant downtime and equipment retrofits that have proved to be all too common on biomass firing and cofiring projects.



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