

Brief

For people seriously committed to product and process improvement

Volume 4 Issue 8

August 2006

Nuclear Power & Global Warming: Die-Tech is Part of the Solution

This may be news to many people reading this article, but nuclear power plants are under construction this very moment. They are being built in Taiwan and Japan and many scientists speculate it is only a matter of time before new nuclear facilities will be started in the United States. A CEO of one of the world's leading manufacturers of nuclear reactor technology admits that they will have a record number of launches in the near future. This manufacturer has developed the latest-generation boiling water reactor, which has environmentally friendly qualities.

So you wonder--why are you reading about nuclear reactors in a Die-Tech newsletter? Bob Einsig, Quality Director at Die-Tech, explains: "We recently teamed with a top manufacturer of nuclear reactors to develop a debris filter which would replace the currently used debris shield. The new sieve-like device is designed to strain out shavings and scraps in the water, which protect the fuel bundles inside a reactor. Such a filter requires a very complex stamping process and the company's former suppliers were unable to meet the requirements. The filter concept was considered viable if it could be made to specification and within cost parameters."

Engineers, production managers, sales staff, quality personnel, along with the Vice President of Manufacturing at Die-Tech, reviewed the schematics and agreed that Die-Tech had the design capability and manufacturing capacity to produce the filters. Together this team created a 39-step flow chart of the entire production process beginning with materials acceptance right through product shipment.



"Documentation of the process and inspection at each step are critical to the success of this project," adds Einsig. "Energy security concerns, the threat of global climate change and government regulations offer added dimensions to this program. Exceptional quality controls have to be built into the system and every procedure is reviewed by Die-Tech employees as well as our client's quality staff."

Einsig explains why Die-Tech has decided to enter this market. "The demand for electricity is increasing world wide due to population growth and consumption. How will the energy industry prevent power shortages while making the environment cleaner? Technology is at the center of solving that problem, and Die-Tech welcomes the opportunity to be part of the solution."

Do you need a high-tech engineering team to find solutions to your manufacturing challenges? Perhaps it is time to contact one of Die-Tech's Business Development Engineers.

Win a gift certificate! Send your ideas for Die-Tech product improvements and services to ideabox@die-tech.com and you will be entered in our quarterly drawing for a \$50 Amazon gift certificate.

For further information: Website: www.die-tech.com Phone: 717 938 6771 Email: stamping@die-tech.com