



CPACT'S ACHIEVEMENTS

CPACT advances manufacturing excellence to deliver business benefits across all sectors of the processing and manufacturing industries

CPACT initiates leading edge R&D and technology transfer for the exploitation of process analytics and control technologies

CPACT is managed by its industrial and academic partners with support from the Knowledge Transfer Network

BUSINESS IS BASED UPON SUSTAINABLE PROFITABILITY:

PROCESS ANALYSIS AND CONTROL BOOSTS YOUR BOTTOM LINE

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BACKGROUND

- ◆ CPACT was formed in July 1997 through the Foresight Challenge with an EPSRC/DTI award of £1.34M; it is one of the few remaining Foresight Centres
- ◆ CPACT was established as an inter-disciplinary industry-university consortium to promote advanced process monitoring and control techniques
- ◆ CPACT is a self-sustaining organisation, which has won grants from EPSRC, EU, BIS and industry
- ◆ Established successful three-way collaboration between academia, technology vendor and end-user companies

TRACK RECORD



- ◆ Outstanding training environment for PhD students; helped postdoctoral and other researchers gain careers in industry and academia, many in leading positions
- ◆ Created a unique collaborative environment enabled by a best-practice confidentiality agreement and rapid response to new members
- ◆ Established a series of popular training courses and webinars
- ◆ Introduced a new conference "Advances in Process Analytics and Control Technologies" and a triennial conference, EuroPACT, with European partners
- ◆ Grown university (9), research institute (3) and company membership (28)
- ◆ Delivered collaborative research programmes for industrial sponsors
- ◆ Developed data analysis and optimisation software for members
- ◆ Sustained a self-supporting network of PACT scientists and engineers
- ◆ Established successful six-monthly Research Days
- ◆ Members estimate a combined benefit of £60 million

FUTURE ASPIRATIONS

- ◆ Maintain position as the leading process analytics and control technologies network in Europe
- ◆ Assist access to the latest research and enable technology transfer
- ◆ Continue to produce high quality researchers and trained PAT scientists
- ◆ Help companies assess new technologies through short feasibility studies
- ◆ Coordinate grant applications to leverage R&D funding
- ◆ Extend training for both industrialists and academics
- ◆ Influence the production of next generation analysers and data analysis software
- ◆ Support advances in development and manufacturing processes
- ◆ Help members drive improvements in processes and increases in profitability



THE CENTRE FOR PROCESS ANALYTICS AND CONTROL TECHNOLOGY