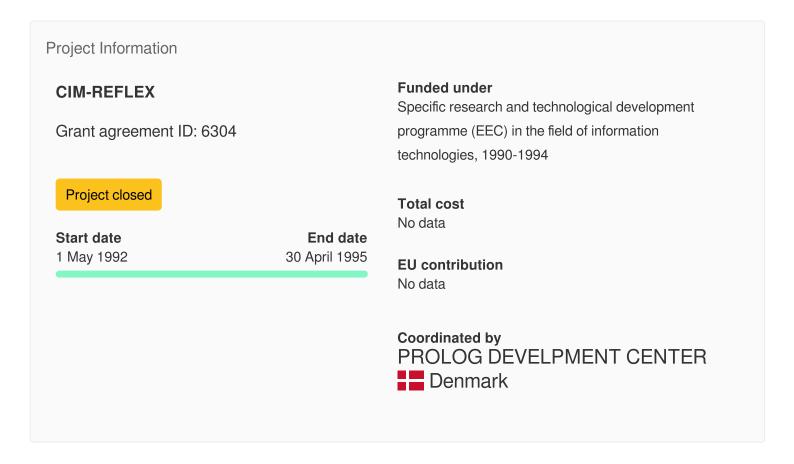
CIM with Real-Time Shop-Floor Scheduling Using Expert System Technology



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CIM with Real-Time Shop-Floor Scheduling Using Expert System **Technology**

Fact Sheet



Objective

The objective of CIM-REFLEX is to facilitate the timely and flexible execution of small production batches in small and medium-sized enterprises (SMEs). It will build on the data storage and acquisition capabilities provided by existing MRP and shopfloor data acquisition equipment, and provide support for high level decisions concerning product configuration, costing and scheduling.

The work will include:

- establishing a distributed planning environment with an open, modular architecture
- establishing decision support at the time of sale, with real-time feedback of information concerning the situation on the shop-floor
- exploration, development and validation of generic models for knowledge-based production planning and scheduling, customised to model corporate strategies and operational routines
- validation of the system in user organisations to assess overall gains in production flexibility and productivity.

Pilot demonstrations and evaluation are foreseen in the manufacture of heavy trucks and at a Danish SME.

The results will be incorporated in software products marketed by a vendor consortium member. SMEs will be able to integrate some or all of the resulting software modules into their existing systems.

Fields of science (EuroSciVoc) 1

natural sciences > computer and information sciences > software
 social sciences > economics and business > economics > production economics > productivity
 natural sciences > computer and information sciences > artificial intelligence > expert systems



Programme(s)

FP3-ESPRIT 3 - Specific research and technological development programme (EEC) in the field of information technologies, 1990-1994

Topic(s)

Data not available

Call for proposal

Data not available

Funding Scheme

Data not available

Coordinator



PROLOG DEVELPMENT CENTER

EU contribution

No data

Total cost

No data

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BROENDBY





Participants (5)



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United Kingdom

EU contribution

No data

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Total cost

No data



COPENHAGEN BUSINESS SCHOOL



EU contribution

No data

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HOWITZVEJ, 60

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No data



DANFOSS



EU contribution

No data

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HOERKAER 12

2730 HERLEV 121

Total cost

No data



DECIBAC



EU contribution

No data

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4 RUE DU GENERAL DE LARMINAT 75015 PARIS 121

Total cost

No data



University of Sunderland

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EU contribution

No data

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Total cost

No data

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