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

Fact Sheet

Project Information

CIM-REFLEX

Grant agreement ID: 6304

Project closed

Start date

1 May 1992

End date

30 April 1995

Funded under

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

Total cost

No data

EU contribution

No data

Coordinated by

PROLOG DEVELOPMENT CENTER

 Denmark

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)

[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 DEVELOPMENT CENTER

EU contribution

No data

Total cost

No data

Address

H.J. HOLST VEJ, 5A
BROENDBY

 Denmark 

Participants (5)



Artix

 United Kingdom

EU contribution

No data

Address

Industrial Estate
SR8 2HX Peterlee 

Total cost

No data



COPENHAGEN BUSINESS SCHOOL

 Denmark

EU contribution

No data

Address

HOWITZVEJ, 60
2000 COPENHAGEN 

Total cost

No data



DANFOSS

 Denmark

EU contribution

No data

Address

HOERKAER 12
2730 HERLEV 

Total cost

No data



DECIBAC

 France

EU contribution

No data

Address

4 RUE DU GENERAL DE LARMINAT
75015 PARIS 

Total cost

No data



University of Sunderland

 United Kingdom

EU contribution

No data

Address

Total cost

No data

Last update: 17 June 1994

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European Union, 2025