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INTER-REGIONAL SYMPOSIUM ON TECHNICAL
SERVICES AND FACILITIES FOR
SMALL-SCALE INDUSTRIES

Vedbaek, Denmark
26 June to 8 July 1967.

SHORT BACKGROUND OF THE ORIGIN OF THE DANISH TECHNOLOGICAL
INSTITUTE AND DANISH HANDICRAFT AND INDUSTRY.

General description of existing services in
Danish Technological Institutes.

Summary.

THE TECHNOLOGICAL INSTITUTE, COPENHAGEN.

Introduction.

When the Technological Institute was started in 1906, the Danish economy was based on agriculture, and industrial exports in percentage of total exports amounted to only 8%, compared with 1965 - 51%. Population by trade showed in 1906 36.5% employed in agriculture against 18.6% in 1960. Over the same period employment in industry and handicrafts rose from 27.2% in 1906 to 34.6% of the total population in 1960.

Purpose.

The purpose of the institute is: Through training, consultation, research and information to promote technological development within industry and handicrafts.

Management.

The institute is a selfgoverning institution under the auspices of a committee of 44 members, who nominate among themselves a board of governors consisting of 14 members. In the committee is representatives from central- and local government, industry and handicrafts, employers and trade unions.

SummaryFunds.

The necessary funds to meet operating costs and expansion are obtained partly from the government, the municipalities, organizations, institutions, foundations and partly through fees for tuition and advisory services.

Government grants amounts to about 60% of yearly operating costs.

Personnel development.

From a staff of 5 in 1906 the number of people employed by the institute has risen to 395 in 1967. Of these 116 has university degrees, and 153 different technical degrees.

Activities.

The activities of the institute are applied in the following ratio: Research 20%, Consultation 35%, Training, Teaching 45%. In recent years 9.000 students have participated in different courses, and the consulting and advisory service have answered approximately 40.000 inquiries, of which 25% have resulted in consultation and fees charged.

Organization.

The activities are carried out by our 18 technical departments, which are organized in the following four divisions: Iron Division, Building Division, Chemistry Division and Business Management Division. Besides these there is a special division for Training and Teaching, which includes a library and a publishing department.

International cooperation.

Since the beginning of the 1950ties the institute has under the auspices of different United Nations Agencies functioned both as centre for study for grant aided students on various levels and as a source of expert guidance in developing countries.

Plans for development.

The total area for laboratories, workshops and offices comprises today 36.000 m², which in the next twenty years is planned to be increased to 60.000 m².

The number of staff will be increased to 700, which we in relation to effective organization and communication consider to be a maximum for a polytechnological institute.

THE JUTLAND INSTITUTE OF TECHNOLOGY, AARHUS.

The Jutland Institute of Technology was founded in September 1943. Economic support was granted for two years from private sources. Later grants were received from municipal authorities, the Country Council and in 1949 from the government.

SummaryPurpose.

The activities includes research and development, consultation and technical courses. The institute does not deal with basic research, but consultation and contract research will in the future be further developed.

Organization.

The management of the institute consists of a board of representatives, a committee and the director, who is aided by a number of technical advisory committees, a secretariat and an administrative department.

The institute is organized in 13 departments comprising Iron and metalwork, building, chemistry and business organization.

Personnel.

The staff comprises to day 200, of which 156 has university degrees and different technical degrees.

Work program.

Generally the institute deals with technical, economical and educational activities, utilizing scientific approach towards practical solutions of production and constructional problems.

Building-development.

Since 1948 the institute has developed the area for laboratories, workshops and offices and expect soon to reach 15.000 m².

DANISH TEXTILE INSTITUTE.

The D.T.I. was founded in 1959.

Purpose.

The objective of D.T.I. is to assist in the promotion of technical developments in the textile and clothing industry.

Funds.

D.T.I. is financed by a 65% government grant, 10% industrial subsidy and about 25% from its own income.

Activities.

The institute' activities are applied in the following ratio: 30% education, 50% investigation, consultation and research, and 20% information and service.

Personnel.

Total staff 36, of which 20 are engineers and technicians.

Summary

Premises.

The D.T.I. have premises of 800 m² at the Danish Technical University, and 100 m² rented in the town of Vejle, which is centre of the textile industry in Jutland.

Management.

D.T.I. is managed by a executive committee of 9, appointed by the textile industry. D.T.I. comes under the Ministry of Commerce and Industry

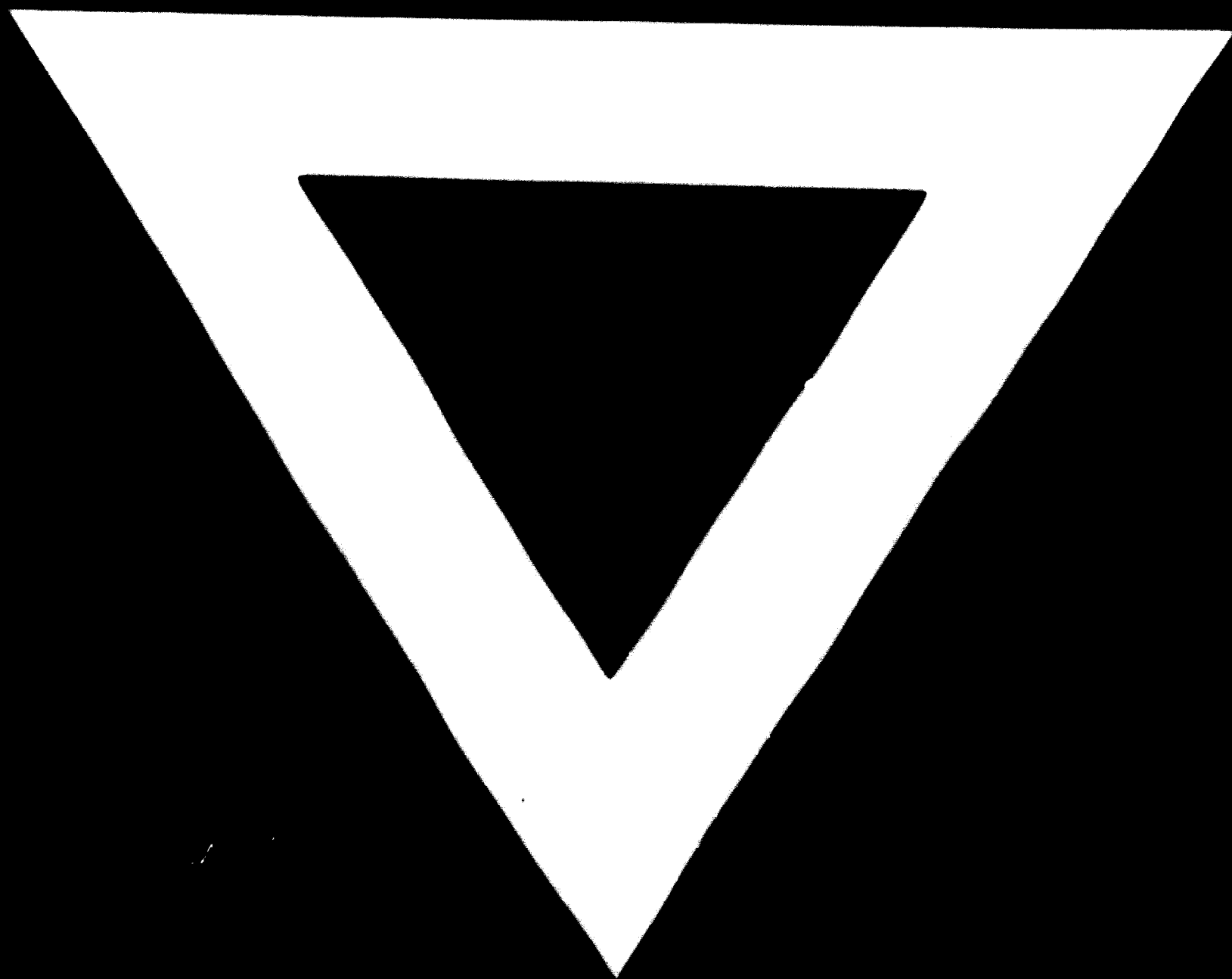
Libraries and Information Service.

D.T.I. owns Denmark's only specialist textile library and from this centre offer the textile industry a complete information service.

Conclusion.

The D.T.I. has despite its relatively short period of operation created a fine name for itself throughout the whole textile industry. The more forward looking firms in the industry collaborate closely with D.T.I., but too many are still outside the circle - although this may be due to the tough competitive conditions in the Danish textile industry.





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