INDUSTRIAL RESEARCH AND CONSULTANCY CENTRE
| Established 1965 with help from UNDIO | National non-commercial Centre | 2002-2010 affiliated to Ministry of Science & Technology | Affiliated to Ministry of Industry 2010 |
OBJECTIVES

RSEARCH AND DEVELOPMENT

TECHNOLOGY TRANSFER

FEASIBILITY STUDIES

CONSULTATION SERVICES

Exploitation of local raw materials for industry

Small scale technologies to meet local needs

Conducted on new Industrial investments project for private and public sectors

• Industrial planning
• Production Management
• Product design and development
<table>
<thead>
<tr>
<th>OBJECTIVES</th>
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<tbody>
<tr>
<td>INDUSTRIAL POLICY SETTING</td>
<td>Key player in setting national industrial policies development</td>
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<tr>
<td>REFERENCE LABORATORY</td>
<td>Considered as reference lab for National Standards Corporation</td>
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<td>ADVISORY BODY</td>
<td>Raise of awareness among industrialists, workers and government on industrial development issues</td>
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<tr>
<td>CONSULTATION SERVICES</td>
<td>• Industrial planning</td>
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<td>• Production Management</td>
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<td>• Product design and development</td>
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FUNCTIONS

Research

– Conduct R&D research
– Standards specification
– Participating in laying down national industrial development plans
– Assist in the preparation of standard specification for the local industrial products

Technology Transfer and Capacity Building

– Transfer technology
– Addressing the causes of food insecurity
– Training programs
Consultancy

- Consultation services on industrial planning, production management and product design and development
- Techno economic feasibility studies
- Prepare and marketing industrial information
- Dissemination industrial awareness
Function

Research
- Conduct R&D research
- Standards specification

Technology Transfer and Capacity Building
- Transfer technology
- Training programs

Consultancy
- Consultancy HOUSE
- Consultancy services
IRCC FACILITIES

- Fully equipped and integrated tannery
- Pilot pant for chemical
- Electronic quality control and testing lab
- Advanced industrial information Centre
- Physical and mechanical testing lab
- Engineering design lab
Annual Recurring Budget (research and capacity building)

- Goods and Service: 59%
- Research program: 12
- Salary: 29%
Development budget

- Laboratory and research fund: 54%
- Accreditation of leather industry lab: 12%
- Rehabilitation of cleaner production lab: 23%
- Recycling of paper waste: 11%

Series 1
No. of Employees (scientists (PhD, MS, BS) and Technical Support Staff)

- Professor Researchers: 1%
- Associate Professor Researchers: 13%
- Assistant Professor researchers: 8%
- Researchers: 10%
- Assistant researchers: 34%
- Technicians: 35%
Employees from a Variety of Disciplines

- Engineering Sciences: 36%
- Nature sciences: 17%
- Business and economics: 16%
- Computer science: 5%
- Other: 26%
connect industry with academia
IRCC is member of Sudan Academy of Science Federal union.

Certified college in engineering:

- MSc Cleaner production
- MSc Mechanical Engineering Design
- MSc Refrigeration & Air conditioning
- Mtech Electrical energy production
INDUSTRIAL GUIDANCE AND BOOKLET

INDUSTRY AND DEVELOPMENT

INDUSTRIAL RESEARCH JOURNAL

Publications
IRCC REGIONAL AND STATE BRANCHES

Signed agreements with four states to establish IRCC departments

Studies in process to identify potential in each state

Creation of industrial map for each state
On-going programs

- The Continuous National Program of Industrial Development in Sudan.
- The Soybean Value Chain Development.
- UNISCO Chair For Transfer of Technology.
- UNIDO- Pilot Demonstration Project on Leather Sector -SUDAN
- Sudan National Cleaner Production Centre (SNCPC).
- Engineering design & manufacturing research Institute.
The National Project for the Continuous Industrial Development

The National Project for industrial development is an integrated program that aims to create an industrial, knowledge, technological, skill and economic movement through six key pillars targeting human, applied research, consultancy, modern technologies and manufacturing accompanying the interests of the partners.
The National Project for the Continuous Industrial Development (cont.)

Project Reference:

The project is based on the five-year program of economic reform, 2015–2019.

Objective of the Project:

National Project for Continuous Industrial Development aims to mobilize the industrial sector to bring about a sustainable industrial renaissance based on Research, development, innovation, technology and its mechanisms, capacity building guidance, and assurance of perfecting them.
Project methodology

Choosing the six-theme project partners.

Hold brainstorming sessions for each theme.

Identification of projects for each theme.

Selection of projects and training teams.

Preparation of technical and financial proposals for projects.

Preparation and endorsement of executive plans for each project.

Forming teams to adjust and monitor the implementation of projects / for each theme.

Submit periodic performance reports for each axis.
The National Project for the Continuous Industrial Development (cont.)

Achievements:
- Promotion of IRCC.
- Wide Umbrella of stockholders
- Initiate partnerships between the sectors of industry and research and development institutions.
- Inventors Incubating.
- Training of 1200 Trainees.
- Branding of some indigenous goods.
- Establish women business incubator.
The Soybean Value Chain Development

Aiming at Strengthen soybean value chain in Sudan thereby increasing the utilization of locally produced soybean in agro-industries and among Sudanese households

**Objective:** strengthen soybean value chain in Sudan

**Main Activities:**
- Assist farmers with pre-harvest and post harvest inputs and machinery
- Demonstration training
- Establishment of market linkages between producers, processors and end users
- Training of household
IRCC hosting Cleaner production center (SUDAN)

Current Situation: approved from UNIDO.
Preparatory fund 45,000 €

Fund: Capacity build for 5+15 to other to include all other aspects.
Main Fund used to:
1. Developed project document.
2. To assign national consultant (on top of work).
3. The center (CPC) participated in the National Continues Industrial Development Program (TATWER) in the Country States to disseminate cleaner production knowledge and spread cleaner production awareness.
International Collaboration

2nd International conference on AGRICULTURE, FOOD SECURITY AND BIOTECHNOLOGY 17th -18th October 2016
Khartoum -Sudan

Federation of Arab scientific research council
TRANSFER AND LOCALIZATION TECHNOLOGY
1-2 /11/2016 Khartoum - Sudan

African technology policy studies network
ATPS STAKEHOLDERS FORUM ON 29 JULY 2016 Nairobi- Kenya

ARAB INDUSTRIAL DEVELOPMENT & MINING ORGANIZATION
Arab conference on INNOVATION AND COMPETITIVENESS 24-25/5/2016
Egypt- Cairo

UNESCO chair on Transfer of Technology
Agreement between UNESCO and IRCC has been signed concerning the establishment of a UNESCO chair on the transfer of technology. The purpose of the chair shall be to promote an integrated system of the research, training, information and documentation on the transfer of technology.
Future plans

- Comprehensive Strategic Plane.
- Customize research Workshop (ISICO).
- Sustainability of (TATWER).
- Support Partnership with COMSAT center of Excellency.
- Make use of opportunities provide by COMSAT.
- COMSAT IT Center In Sudan