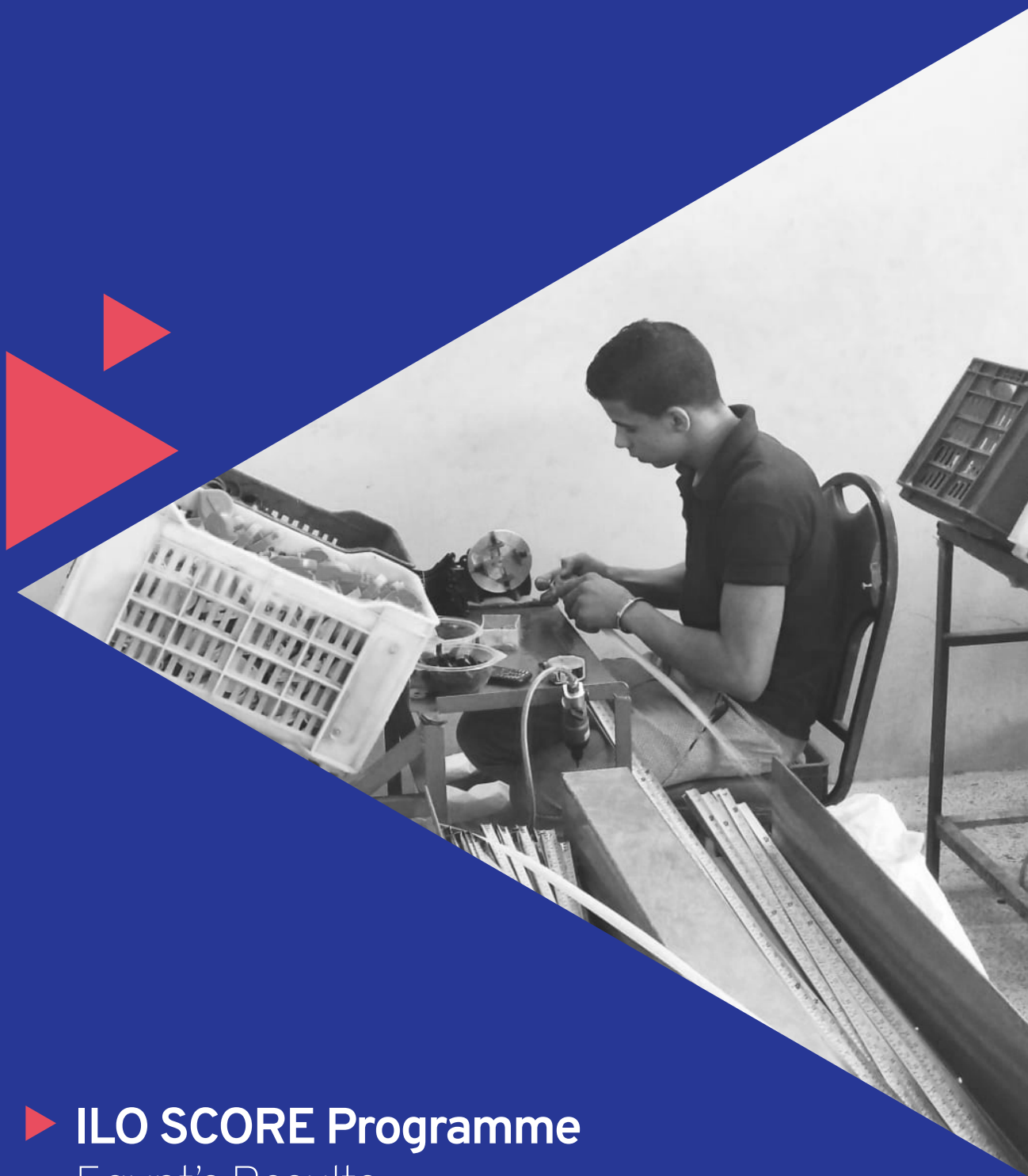




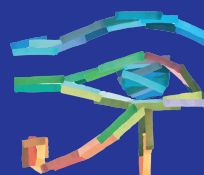
International
Labour
Organization



اتحاد الصناعات المصرية
FEDERATION OF EGYPTIAN INDUSTRIES



► ILO SCORE Programme Egypt's Results



EYE Egypt
Youth
Employment



**NORWEGIAN MINISTRY
OF FOREIGN AFFAIRS**



ILO SCORE Programme Egypt's Results



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Foreword

Making decent work for young people a reality is a commitment of the international community and the most explicit foothold of the ILO into Sustainable Development Goals. Hence, putting this commitment into practice requires sustained and determined action covering a wide range of programmes, namely, ILO's Sustaining Competitive and Responsible Enterprises (SCORE) programme for the first time in an Arab African country.

In 2018, the ILO-project "Egypt Youth Employment (EYE): Working Together in Qalyoubia and Menoufia", funded by the Norwegian Ministry of Foreign Affairs, implemented SCORE Programme in Egypt on a pilot basis within its framework, assisting and aiming for 30 enterprises to maintain cooperative and safe workplaces. The implementation of the ILO-tool pilot intervention, which was in collaboration with the Federation of Egyptian Industries (FEI), Egypt's Employers Organization, aimed to introduce the ILO tool in Egypt, test its implementation within the targeted sectors and assess the interest of national institutions in the scaling up of its implementation.

Since its inception, EYE project managed to support 250 workers and employees, as well as transferring expertise through the formation of factory development and improvement teams to a total of 3246 workers and managers. 90 per cent of participating enterprises reported cost savings and 80 per cent noticed a reduction in workers complaints. In addition, more than half of the companies saw an increase in their productivity and decrease in labour turnover. During SCORE's implementation, companies have shown their willingness to improve their productivity and working conditions, in addition to taking advantage of SCORE training's five modules and their flexibility to be integrated and adapted into various workplaces of different sectors. This end-results report will provide details, improvements, and achievements of all participatory enterprises in SCORE training. It will also give you insights on all SCORE modules' adaptations to different factories and companies.

SCORE's method of including a hybrid of workers, supervisors and managers together in the programme has paid off. The training included forming an 'improvement team' in different divisions of companies in order to ensure the spread and continual work of the training content at different levels as a genuine part of the policy of every company. In continuation of ILO's SCORE success story, the Federation of Egyptian Industries, represented by the Business Development Center is aiming to provide SCORE training, as part of its services to all industrial sectors. As a result, the SCORE sustainable effect endures long after the programme is concluded.

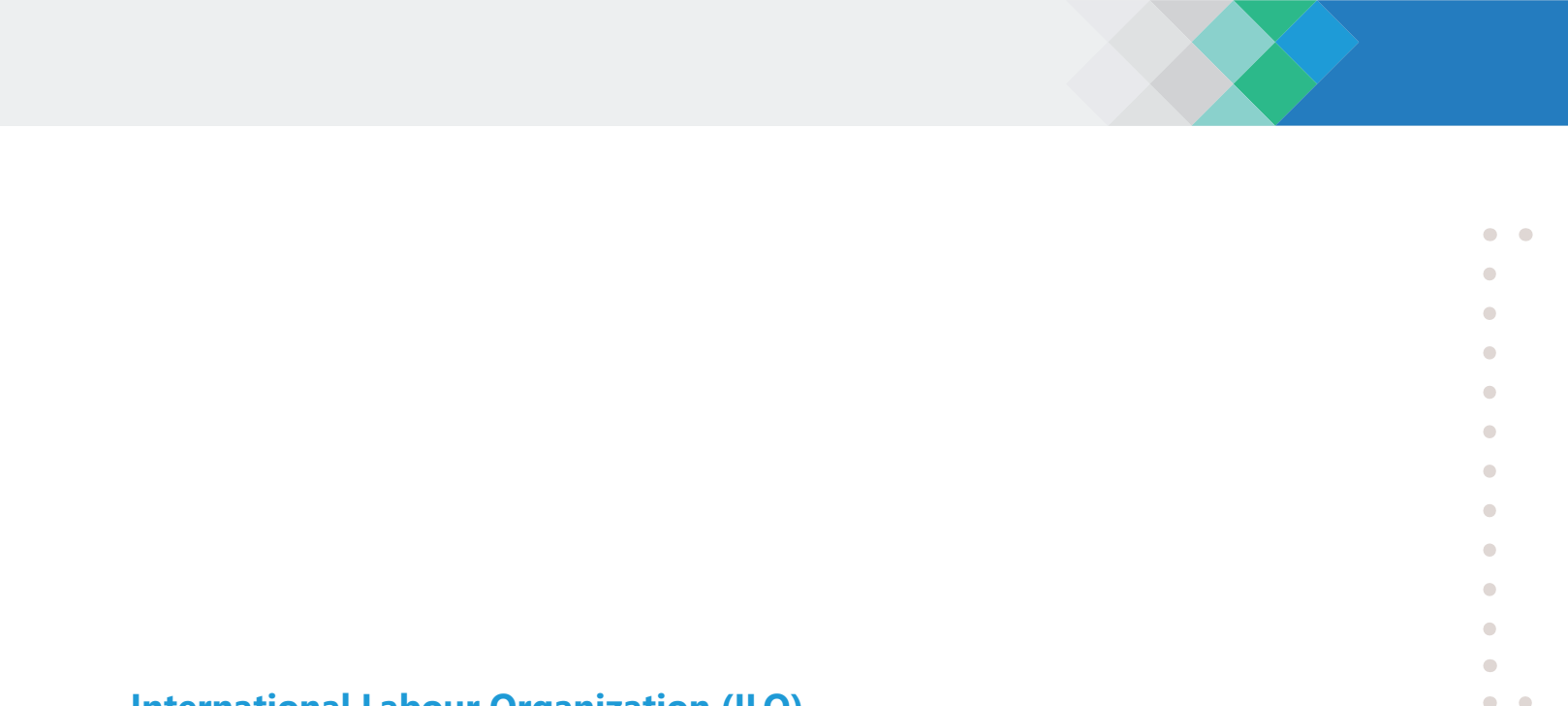
SCORE programme's success in Egypt has aroused great interest from national organizations, they have shown their enthusiasm to cooperate with the ILO in order to promote the sustainability and scalability of the programme, including the Micro, Small, and Medium Enterprises Development Agency (MSMEDA) mandated to improve the business environment for SMEs, the Industrial Modernization Center, as part of the Ministry of Trade and Industry mandated to provide business development services to the industry. There are also ongoing discussions on launching the second phase of the programme with several international and local partners, to benefit from the first phase's lessons and experiences, and to study the feasibility of applying the programme on other industrial sectors.

Such progress and success of SCORE in Egypt would not have happened without the support and guidance the project has received from national and international entities, the ILO-Global SCORE Programme team, and the SCORE project management team in Indonesia.

Eric Oechslin
Director ILO Decent Work Team for North Africa/Cairo

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International Labour Organization (ILO)

The ILO was founded in 1919, at a time of rapid social and technological change. One hundred years later, the world continues to grapple with realignments that create turmoil, but also offer opportunities for re-envisioning and refining the world of work.

As the only tripartite agency of the United Nations that is concerned with the world of work, the ILO gives equal voice to the workers, employers and governments, in pursuit of policies and programmes that foster economic growth, workforce inclusivity and social justice.

The mission of the ILO can be stated succinctly:

- To encourage decent job opportunities for all,
- To promote rights at work,
- To enhance social protection,
- To strengthen dialogue on work related issues.

Egypt first joined the ILO in 1936 and the ILO Cairo Office was established in 1959, so in 2019 we reflect with pride on 60 years of achievements in country and Africa, in addition to celebrating 100 years of results at the global level.



Egypt Youth Employment (EYE) Project

The ILO-Egypt Youth Employment (EYE) Project, is funded by the Norwegian Government, and is implemented with the national partners, Ministry of Investment and International Cooperation, Ministry of Trade and Industry (MTI), Micro, Small and Medium Enterprises Development Agency (MSMEDA) and the Federation of Egyptian Industries (FEI).

Within the framework of the project, ILO SCORE (Sustaining Competitive and Responsible Enterprises) programme is implemented, where it is designed to help small and medium size enterprises boost their productivity and improve their working conditions. The programme is implemented in cooperation with the Federation of Egyptian Industries as a pilot programme for 30 companies in the engineering and chemical industries in Qalioubia and Menoufia governorates.

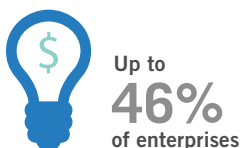
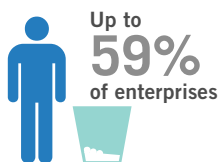
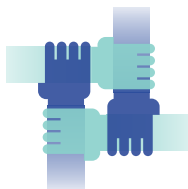
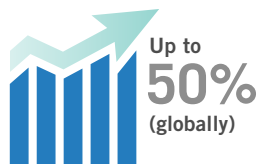
SCORE Training Results Globally

Sustaining Competitive and Responsible Enterprises (SCORE) is an ILO global programme that improves productivity and working conditions in small and medium enterprises (SMEs). The key intervention of the global programme is support for the implementation of SCORE Training, which combines practical classroom training with in-factory consulting. SCORE Training demonstrates best international practice in the manufacturing and service sectors and helps SMEs to participate in global supply chains.

SCORE Training focuses on developing cooperative working relations resulting in shared benefits. The five SCORE Training modules cover Workplace Cooperation, Quality Management, Clean Production, Human Resource Management, and Occupational Safety and Health. Each module includes a two-day classroom training for managers and workers, followed by on-site consultations with industry experts that help to put the training into action in the workplace.

The ILO is assisting government agencies, training providers, industry associations and trade unions in emerging economies in Africa, Asia and Latin America to offer SCORE Training to enterprises. There is also a focus on developing innovative partnerships between the ILO, multinationals, lead buyers and brand consortiums, to encourage the integration of SCORE Training in supplier development strategies.

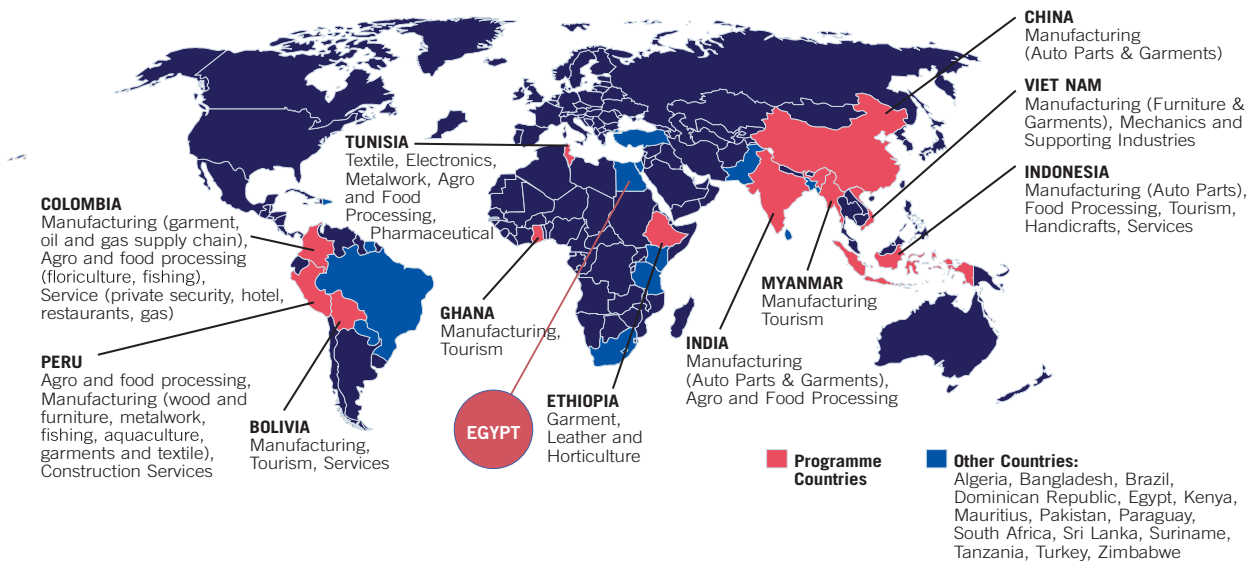
SCORE Programme is managed by a global team based in ILO Country Offices and Headquarters, supported by the Governments of Switzerland and Norway.



SCORE Countries and Sectors Globally

The SCORE programme is funded by the Swiss State Secretariat for Economic Affairs and the Norwegian Agency for Development Cooperation. Since 2010, over 2,439 enterprises were trained, in over 26 countries, and skills were built of over 462,605 workers and managers.

The programme is active in 11 core SCORE countries: Bolivia, China, Colombia, Ethiopia, Ghana, India, Indonesia, Myanmar, Peru, Tunisia and Vietnam with activities in several pilot countries including: Turkey, Sri Lanka, Bangladesh, Kenya and Egypt. In Phase III, the programme will continue its work to ensure that national partners are ready to independently promote and deliver SCORE Training over the longer term.

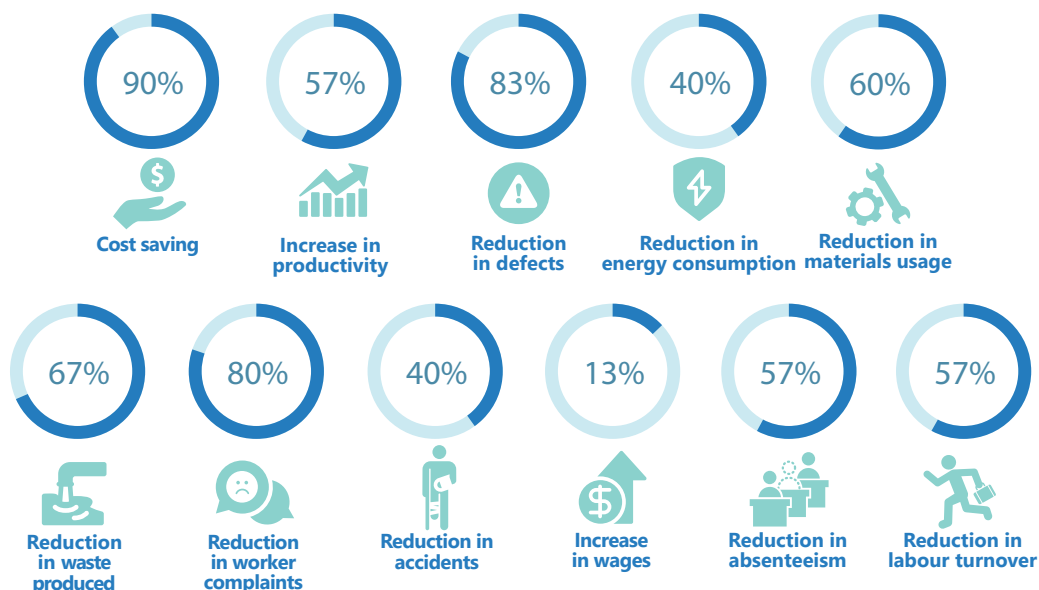


SCORE Programme In Egypt

The SCORE Programme in Egypt is implemented within the framework of Egypt Youth Employment (EYE) project on a pilot basis, targeting 25-30 SMEs in the engineering and chemical industries in the governorates of Qalioubia and Menoufia, and in cooperation with the Federation of Egyptian Industries (FEI) represented by the Chambers of Engineering and Chemical Industries.

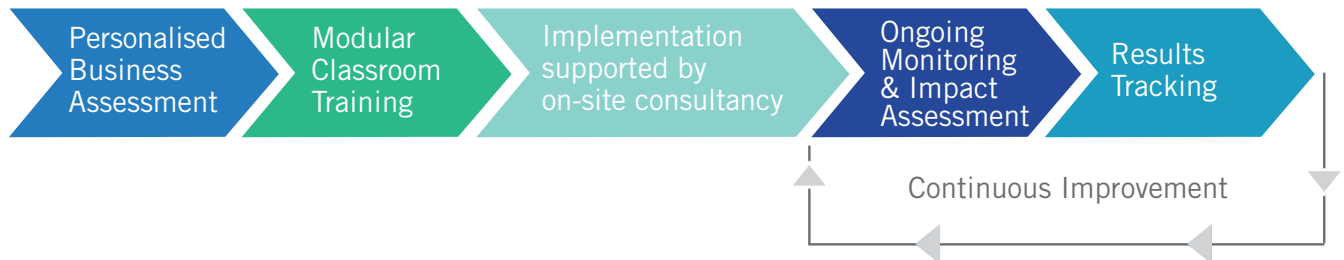
The SCORE Programme targets companies where:

- The number of employees is not less than 30 and not more than 300.
- Engineering and chemical industries.
- Governorates of Qalioubia and Menoufia.



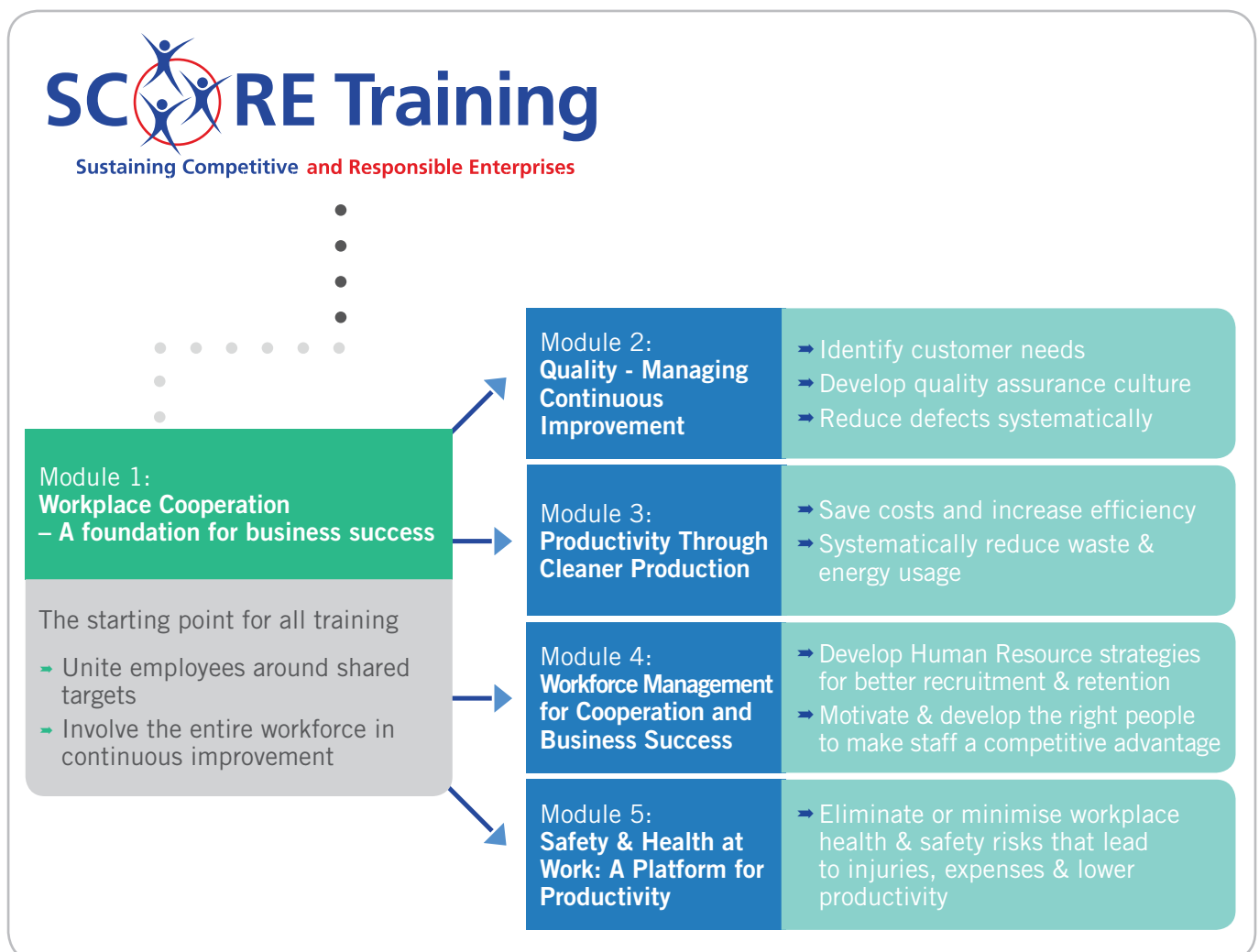
SCORE Training Process

Training for each Module begins with a two-day workshop facilitated by an expert. Four to five enterprises are trained together and each enterprise is represented by four participants: two managers and two workers. After the workshop, experts visit the enterprises to offer advice and support as the training is put into practice.



The SCORE Training Modules

All enterprises start the SCORE Training with Module 1: Workplace Cooperation – A Foundation for Business Success. Further modules are then selected based upon priorities decided upon during the baseline assessment.



Enterprises Perspectives for SCORE Programme in Egypt

A new culture at the workplace

SCORE Trainers were keen during the training programmes to change the conception of workers and management together towards the production process. Therefore, the worker should not only concentrate on when their shift will end but also to the work quality, which has a positive impact on their career. On the other hand, the management should take care of all workers' problems and provide a good work environment that will be positively reflected on both productivity and profits.

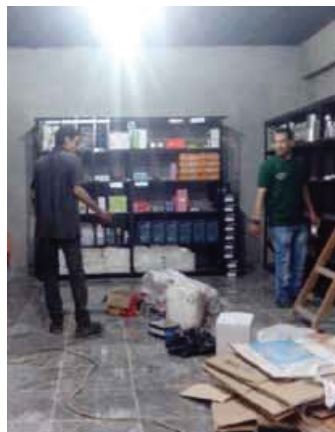
Industrial Engineering Co. produces some vehicle spare parts with a workforce of 230 workers. All workers were trained on SCORE's "Quality Control" module. The programme positively affected all of them. Mr. Mahmoud - Director said: "now, when any worker encounters a problem or a production error, they are keen to warn their colleagues and cooperate together to find the reason behind the problem and try to avoid it again in the future".



Workers meet twice a month to discuss ideas and suggestions that can introduce further improvements



A bright and well-organized work space thanks to the application of the 5s system.



The team reorganizes the equipment and spare parts warehouse

"Quality" turned into a practical culture in the company on which all employees (workers, technicians and managers) depend, which led to easy identification and finding theoretical solutions to problems. Then, they would discuss and practically apply the solutions to come up with better results without disrupting the production cycle.

Worker enthusiasm and perseverance led to better quality which reflected on fast application of training concepts all over the plant. The workers applied the 5S system which depends on 5 key tools: Sort, Set In order, Shine, Standardize and Sustain. This system helped workers after they have long suffered from the crowdedness of wastes and neglected spare parts.

This was positively reflected on the workers' morale and the work culture at the plant. Figures also assure how all this had a huge impact on expenditure and profits. The company was able to, over a short period after applying the training, save EGP 280,000 only from reducing waste, applying worker suggestions in order to avoid defects, and recycling the waste of raw materials. The productivity increased from 400 pieces to 2000 pieces per shift.

Higher safety rates in Egyptian Plants

The 5S System was a direct reason to increase the productivity and reduce expenses in plants that applied the SCORE training, the training directly increases the occupational safety levels.

The training's impact is clearly displayed in the work spaces in SHM Industries Plant. The workplace became more organized and clean which is highly important for a plant that specializes in producing fuel tanks with a workforce of 200 workers who used to suffer from multiple injuries due to dealing with hazardous material and equipment. Occupational Safety and Health (OSH) Department Manager, Khaled Youssef, said: "through applying the 5S system, the work environment became more and better organized which led to a low rate of incidents and injuries. This was reflected in the safety evaluation, which was very poor before the training and significantly increased after the training. It is worth mentioning that this was immediately reflected on the delivery dates and client satisfaction, as the lower rate of incidents and injuries reduced disrupting the production cycle."

Meeting of the EIT to discuss the level of progress being made in the workplace



A worker makes a contribution to the employee suggestion box

Sustainability ... After SCORE

SCORE Programme trained 250 workers, managers, technicians and employees in the thirty plants which participated in the programme. The satisfaction rate of trainees reached 89% while 97% of participants asked to join more training programmes provided by the ILO.

SCORE Programme trainers were keen to include a mix of workers, supervisors and managers together in the programme. The training included forming an Enterprise Improvement Team (EIT) in different divisions of companies in order to ensure the spread and continual work of the training content at different levels as a genuine part of the policy of every company.

Manager of the Legal Affairs Department at Golden Fox, Mr. Mohamed Samy, assured that the development team in the company is keen to transfer the contents of the training to the newly hired workers and technicians as well as makes sure that the methods followed in the training are applied all over the plant. He added that the development team adopted the policy of organizing meetings in-between shifts for "delivery and receipt" and smooth communication in all the plant's processes.

Same thing was confirmed by the Director of Industrial Engineering Co., Mr. Mohamed Mahmoud, who said that: "workers who took the training transferred their knowledge and expertise to their new colleagues, and that contributed to improving the performance of all workers at the plant."



Enterprises Results

ADM Chemical Industries



Obour, Qalyoubia - Egypt



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rania.khalifa@shabanagroup.com



Decorative products
Paints and putty products
Adhesive products
Measurement products



Chemical Industry



2008



Mohamed Shabana



Swedish Co. Decoration



ISO 9001-2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



132
Total workforce
(permanent employees)

80
52

Improvement Teams



10
Nr. of EIT meetings
per module

5
Nr. of improvement
projects per module

Workplace Cooperation



Application of 5S

Quality Management



Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use

IMPACT



Cost saving



Reduction
in defects



Reduction in
waste produced



Reduction
in worker
complaints



Reduction in
absenteeism

IMPROVEMENT PROJECTS

- **By Applying 5S in spare parts warehouse:**
 - Material Search time was reduced from 7 min. to 1 min.
 - Total Cost reduction of 41500 EGP was achieved as a result of reorganizing the warehouse.
- **Workers Benefits:**
 - Discretionary PAID leaves of one day were provided for workers during the month of Ramadan.
- **Worker welfare facilities are improved:**
 - 7 filters have been installed to purify drinking water.
 - Ventilation Fan was installed in the workers' break area.
 - Prayer room was provided for workers.
- **Gender Sensitive _ improvement:**
 - Female Housekeeper was assigned for Female Toilets cleanliness.

ALSAFA CRAFT WIRE



Bassos – Kanater road,
Obour, Qalyoubia - Egypt



sales@alsafa-egypt.com



Chillers Shelves



Engineering Industry



2007

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



30
Total workforce
(permanent employees)

30
0

Improvement Teams



2
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees

Clean Production



Process to reduce materials usage
Process to reduce energy consumption

Human Resources



Rewards for good performance

Occupational Safety and Health



Use of PPE

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Increase
in wages



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- 14500 EGP cost reduction through the implementation of 5S.
- 1 worker got promoted as a result of an effective ESS- Employee Suggestions Scheme.
- 50% defects reduction.
- Visual management, work instructions and sign boards are effectively displayed.

• Human Resources Management:

- Effective communication and employee suggestion scheme is identified, workers welfare facilities are improved (e.g new toilets, locker Room, Break Area).

AQUA PURA For Plastic Industries



El Obuor City, Black 13038, A 11,
El Obour, Qalyoubia - Egypt



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mfawzy@phg-eg.com



Plastic bottles
Preform Industries



Chemical Industry



2012



Mohamed Fawzy



Water and Juice Companies



ISO 9001-2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



101
Total workforce
(permanent employees)

99
2

Improvement Teams



13
Nr. of EIT meetings
per module

4
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Quality info shared with employees

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption
Existence of machine maintenance

Human Resources



Rewards for good performance

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Internal communication channels were developed, workers complaints & suggestions box as well as open door mechanisms have been effectively implemented.
- Worker/managers Weekly meetings were scheduled.
- 15% increase of productivity was identified.

• Human Resources Management:

- Employees satisfaction increased from 1.3 – 2.3%
- Job description was completed for 100% of the job titles.
- Performance KPIs were set.
- Organizational chart was developed and validated.

ARAB PET for Plastic Container



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Block 13038, A 1,
EL Obour, Qalyoubia - Egypt



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mfawzy@phg-eg.com



Plastic Bottles
Preform Industries



Chemical Industry



2004



Mohamed Fawzy



Water and juice companies



ISO 9001-2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



73
Total workforce
(permanent employees)

69
4

Improvement Teams



11
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5s
Upgrade of worker facilities

Human Resources



Rewards for good performance
Overtime is paid correctly

IMPACT



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- The management has developed a production.. incentive system to encourage workers.
- Daily FREE meals are provided for workers living in the company's dorms.
- Uniform has been provided to all workers.
- Workers' welfare facilities were upgraded (e.g. dorms, beds, prayer room etc).

• Human Resources Management:

- 70% workers' satisfaction was reported.
- Job descriptions were developed for 100% of the job titles.
- HR Officer has been appointed to carry out the programme's HR activities.
- Hiring policy and procedures was developed.

Bio Tech.

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



54
Total workforce
(permanent employees)

46
8

Improvement Teams



4
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs


Plot 7 & 8 fifth industrial area
Sadat, Menoufia - Egypt


azabawy91@gmail.com


Bio fertilizers
Bio pesticides & compound fertilizers


Chemical Industry


Reda Al-nahrawy


Ministry of Agriculture


ISO 9001/1400011 &1801

IMPACT


Cost saving


Reduction
in defects

IMPROVEMENT PROJECTS

- **Workplace Cooperation:**
 - Employee suggestion scheme was implemented effectively. (e.g. company is studying and implementing the workers' suggestion and ideas.)
 - As a result of applying the 5S, 45000 EGP were saved by identifying missing raw material in the store.
- **Quality Management System:**
 - 90% Defects reduction were identified by changing the production old techniques.
 - Increasing the quality of the packaging has contributed to the reduction of defects rates.

Engineering Industrial Company



16 - 17 First Industrial Zone,
Sadat, Menoufia - Egypt



+20100005346



mismael@inde.com.eg



Automotive feeding industries
Tricycle



Engineering Industry



1986



Arafat Rashed



General Motors
Zemix
Military



ISO9001- IATF16494

PROGRESS AGAINST MODULES CONTENT

The company has completed

Module
1

Module
2

Staff Structure



252 **251**
Total workforce
(permanent employees) 1

Improvement Teams



5
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5s
Upgrade of worker facilities

Quality Management



Systematic analysis of defect causes
Use of SOPs

Clean Production



Process to reduce materials usage

Human Resources



Workers are trained regularly

Occupational Safety and Health



Emergency exit routes
Use of PPE

IMPACT



Cost saving



Reduction
in defects



Reduction in
materials usage



Reduction in waste
produced



Reduction in worker
complaints

IMPROVEMENT PROJECTS

• By Applying 5s in 8 Workstations:

- Workspace occupation was increased by 87 square meters.
- Searching time was reduced from 5 minutes to 30 seconds, 40 hours per month on aggregate.

• Cleaner Production:

- 20 Ton of Recycled waste was identified with a total value of 80000 EGP.

• ESS_ Employee suggestion scheme:

- Workers have submitted no. of suggestions that helped the company save 250000 EGP modification of manufacturing operation to increase the production from 400 pcs per hour to 2000 pcs per hour per shift.

• Workplace Cooperation:

- Training for workers/managers increased from 6 workers to 29 workers.
- Daily/weekly workers/managers meetings increased from 0 to 4 per month, once per week.
- Workers welfare facilities improved.

• Occupational Safety & Health:

- Safety and health improvement project has increased from 7 to 12.

• Quality Management System:

- Defected items were reduced from 39% to 8.4%, 84510 EGP was saved due to the modification of the old production techniques.

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



275
Total workforce
(permanent employees)

255
20

Improvement Teams



13
Nr. of EIT meetings
per module

5
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5s

Quality Management



Systematic analysis of defect causes
Quality info shared with employees

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption

Human Resources



Rewards for good performance
Existence of complaint procedure

Occupational Safety and Health



Emergency exit routes

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Internal communication channels were developed, workers complaints & suggestions box as well as open door mechanisms have been effectively implemented.
- Worker/managers Weekly meetings were scheduled.
- 5S is implemented in one production section
- Notice boards and visual management tools are efficiently used.

• Cleaner Production:

- 50% Waste Reduction _ from 10.5 to 5%.
- Reduction of waste water was also indicated.

Golden Fox



Quisna, Menoufia - Egypt



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altalabplast@yahoo.com



Chemical Industry



2015



Abdel Hakim Soliman



ISO 9001 / 2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



61
Total workforce
(permanent employees)

49
12

Improvement Teams



10
Nr. of EIT meetings
per module

3
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S

Quality Management



Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees

Clean Production



Process to reduce materials usage

Human Resources



Rewards for good performance
Overtime is paid correctly
Existence of complaint procedure

Occupational Safety and Health



Use of risk assessments

IMPACT



Increase in
productivity



Reduction in
defects



Reduction in
materials usage



Reduction in
waste
produced



Reduction in
worker
complaints



Increase
in wages



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Worker/managers Weekly meetings were scheduled.
- Communication channels are improved, Employees suggestions and complaints box as well as open door policy is adopted.
- 5S is implemented in 4 production sections.

• Quality Management System:

- Quality management system department was established including KPIs.
- 100% of the Workers are trained on the principals of quality.
- 5 inspection points were established in the production lines.
- Standard samples were developed and marked.
- Defects were identified and analyzed.
- Standard operating procedures and work instructions were developed in addition to machine maintenance instructions.

Hoppec Rubber Industry



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ehab.elsaka@hoppec.com



Tiles Rubber
Rolls Rubber
SBR Granules



Engineering Industry



2010



Ehab El Saka



Sporting Clubs
Nursery
Hospital
Animal Farms
Schools



ISO 9001

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



42

Total workforce
(permanent employees)

42



0

Improvement Teams



18

Nr. of EIT meetings
per module

9



Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption
Existence of machine maintenance

Human Resources



Rewards for good performance
At least minimum wage is paid
Working hours are within legal limits
Workers are trained regularly
Existence of complaint procedure

Occupational Safety an Health



Existence of OSH Policy
Use of risk assessments
Emergency exit routes
Use of PPE
Accidents and near misses are tracked
Root cause analysis of accidents

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Increase
in wages



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Employee of the month scheme is implemented.
- As a result of applying the 5S, 30% of the storage space was saved.
- Standard operating procedures were maintained and displayed.

• Occupational Safety and Health:

- Risk Assessment is developed incl. all the risks associated with the operations.
- Emergency layout is developed and emergency escape routes are properly marked.
- Operational safety devices were installed in all the machines.
- Personal protective equipment was provided to all employees free of charge.

1B, Block 13025, Elobour Industrial zone,
Obour, Qalyoubia - Egypt



+20 244814236



factory@liteway-lighting.com



Lighting fixtures & Lamps
Head lights
Led lighting



Engineering Industry



2007



Distributors
Construction contractors



ISO 9001:2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



53
Total workforce
(permanent employees)

53
0

Improvement Teams



9
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5s

Quality Management



Collect customer feedback
Quality info shared with employees

Human Resources



Workers are trained regularly
Existence of complaint procedure

Occupational Safety and Health



Use of PPE

IMPACT



Cost saving



Reduction
in defects



Reduction
in worker
complaints



Reduction in
absenteeism

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Employees satisfaction has increased to 80% as a result of worker/manager meetings.
- Enterprise Suggestion scheme was activated and 2 suggestions are submitted and implemented every month.

• By Applying 5S:

- 10% cost reduction is identified.

• Quality Management System:

- Defects rate reduction from 32% to 4%.
- New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.
- Quality inspection standards were developed and effectively implemented.

Cetara for Aluminium Products


Industrial zone, Block 13025,
st 50, Obour, Qalyoubia - Egypt


+20 244814372


nael.ghalayini@madarplus.com


Aluminium Rolling Doors
Rolling Shutters
Shower cabin


Engineering Industry


2012


Daaboul


Egyptian Installers
Traders


ISO 9001:2015
CS certification

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



80
Total workforce
(permanent employees)

80
0

Improvement Teams



6
Nr. of EIT meetings
per module

7
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Existence of Quality Policy
Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption
Existence of machine maintenance

Human Resources



At least minimum wage is paid
Working hours are within legal limits
Workers are trained regularly
Existence of complaint procedure

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Workers/managers Weekly meetings were scheduled.
- Communication channels were improved, employee suggestions and complaints box as well as open door policy was adopted.
- 15 % increase in productivity.
- 2% reduction in material usage.
- 2.5% reduction of produced waste.
- 2.5% reduction in labor turnover.

• Cleaner Production:

- 70% reduction in energy consumption as a result of using led lights.
- 12% reduction of material consumption was indicated.

Masr Elobour



Industrial zone no. 3, block 12007,
El Obour, Qalyoubia - Egypt



+20244890635/6



fathy@masria.com



Insulated Panels
Commercial Kitchen



Engineering Industry



2012



Fathy Hammad



Hotels
Restaurants
Hospitals

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



65
Total workforce
(permanent employees)

65
0

Improvement Teams



5
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees

Clean Production



Process to reduce materials usage

Human Resources



Rewards for good performance
Workers are trained regularly
Existence of complaint procedure

Occupational Safety and Health



Existence of w-m OSH Committee
Emergency exit routes
Use of PPE
Accidents and near misses are tracked
Root cause analysis of accidents

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Communication channels were improved (e.g. complaints and suggestions box as well as open door policy)
- Workers welfare facilities are improved/upgraded.
- 5S is applied in 100% of the facility departments.
- Visual management is applied in the raw material warehouse to better reduce searching time.

• Occupational Safety and Health:

- Safety and health training was provided to 100% of the workforce.
- Electrical panels were properly insulated and secured.
- Accidents and injuries are recorded.
- Emergency exits and maps are marked and displayed in all departments.

Masria for Trade and Industry



Industrial zone no. 1, Area 2, block 13013,
El Obour, Qalyoubia - Egypt



+202 44812328/26



masria@masria.com



Commercial Kitchen
Laundry Equipment



Engineering Industry



1985



Fathy Hammad



Hotels
Restaurants
Hospitals



ISO 9001/2018

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



80
Total workforce
(permanent employees)

76
4

Improvement Teams



7
Nr. of EIT meetings
per module

7
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5s
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Process to reduce materials usage
Process to reduce energy consumption

Human Resources



Rewards for good performance
Working hours are within legal limits
Workers are trained regularly
Existence of complaint procedure

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction in
energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

- **5S is implemented in 4 Departments:**
- **ESS_ Employee Suggestion Scheme:**
 - Different engagement communication channels have been implemented e.g. open door, complaints box.
- **Occupational Safety and Health:**
 - Safety awareness training was conducted.
 - Workers welfare facilities were improved and upgraded (e.g. workers locker room)
- **Cleaner Production:**
 - 90% reduction in energy was identified as a result of using led lights instead of Normal lights.

MB Industrial

Sadat - Industrial 7 , Zone 3,
El Menofya - Egypt

+201001405673

adham.radwan@mb-egypt.com

Manufacturing and Collecting
Electrical Boards

Engineering Industry

2011

Adham Radwan

Authorized Agents
Contractors
BETA Electrical

ISO 9001

PROGRESS AGAINST MODULES CONTENT

The company has completed

Module
1

Module
4

Staff Structure



63
Total workforce
(permanent employees)

62
1

Improvement Teams



15
Nr. of EIT meetings
per module

9
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5S
Upgrade of worker facilities

Quality Management



Collect customer feedback
Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption
Existence of machine maintenance

Human Resources



Rewards for good performance
At least minimum wage is paid
Working hours are within legal limits
Workers are trained regularly

Occupational Safety and Health



Existence of w-m OSH Committee
Existence of OSH Policy
Use of risk assessments
Emergency exit routes
Use of PPE
Root cause analysis of accidents

IMPACT



Cost saving



Increase in
productivity



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Increase
in wages



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- New handling tool was developed to reduce the operational time, manpower and increase the quality level.
- Internal communication channels were developed, workers complaints & suggestions box as well as open door mechanisms have been effectively implemented.
- Worker/managers Weekly meetings were scheduled.

• Human Resources Management:

- Employees satisfaction increased from 1.3 to 2.3%.
- Job descriptions were completed for 100% of the job titles.
- Performance KPIs are set.
- Organizational chart is developed and validated.

Middle East Caravan


El Obuor City, Black 180/202,
Obour, Qalyoubia - Egypt


+201002213449


careers@me-caravan.com


Caravans


Engineering Industry


2000


Mohamed Shabana


Constructions Companies


ISO 9001, OHSAS 18001

PROGRESS AGAINST MODULES CONTENT

The company has completed

Module
1

Module
4

Staff Structure



76
Total workforce
(permanent employees)

76 
0 

Improvement Teams



15 
Nr. of EIT meetings
per module

5 
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5S
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce energy consumption

Human Resources



Rewards for good performance
Overtime is paid correctly

Occupational Safety and Health



Existence of w-m OSH Committee
Existence of OSH Policy
Use of risk assessments
Emergency exit routes

IMPACT


Cost saving


Reduction
in defects


Reduction
in energy
consumption


Reduction
in worker
complaints


Reduction in
accidents


Reduction in
absenteeism


Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Workers facilities were upgraded (e.g. canteen area, prayer room, and waste disposal area).
- As a result of applying the 5S, 65,000 EGP were saved by selling the SCRAP that was identified.

• Human Resources Management:

- Employee satisfaction survey has been implemented and 80% satisfaction rate was reported.
- Training needs assessment and training plan was developed.

Misr for Metal Works


El-kanater El-Khairia, Basos,
Cairo - Egypt


+201009569020


ayman.elfakharany@masrtrade.com


Hand mixer faucets


Engineering Industry


Ayman ElFakharany


Retailers

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



70
Total workforce
(permanent employees)

70 
0 

Improvement Teams



8 
Nr. of EIT meetings
per module

10 
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Application of 5S
Upgrade of worker facilities

Quality Management



Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Human Resources



Workers are trained regularly

IMPACT


Cost saving


Increase in
productivity


Reduction
in defects


Reduction
in waste
produced


Reduction
in worker
complaints


Reduction in
absenteeism


Reduction in
labour turnover

IMPROVEMENT PROJECTS

- **Workplace Cooperation:**
 - Employees satisfaction has increased to 80% as a result of worker/manager meetings.
 - Enterprise Suggestion scheme was activated and 2 suggestions are submitted and implemented every month.
- **By applying the 5S:**
 - 10% cost reduction was identified.
- **Quality Management system:**
 - Defects rate reduction from 32% to 4%.
 - New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.
 - Quality inspection standards are developed and effectively implemented.

Modern Service Group (Khalaf Bus)


Eskan El Shabab Road,
2nd Section, Obour - Egypt


+201117111191


khalaf.tarek@hotmail.com


Building Automotive
bodies (K1, K2)


Engineering Industry


2008

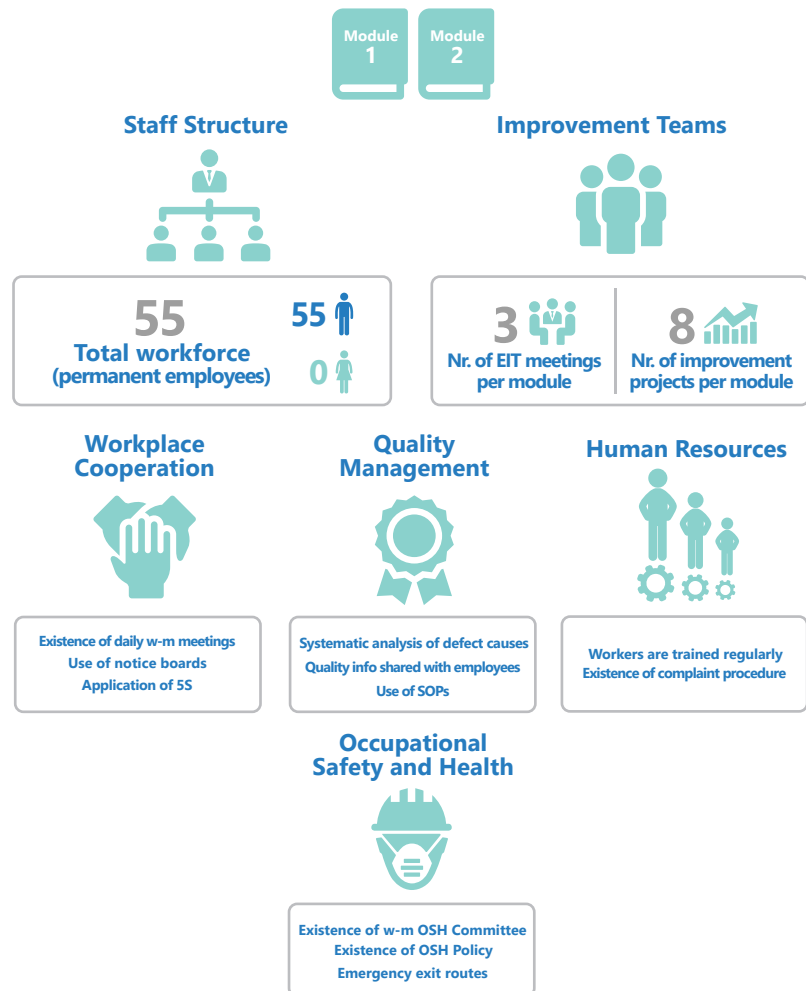

Ahmed khalaf


Chevrolet
General motors


ISO 9001

PROGRESS AGAINST MODULES CONTENT

The company has completed



IMPACT



IMPROVEMENT PROJECTS

- **Workplace Cooperation:**
 - worker/manager meetings have increased from 1 to 4 meetings monthly, once per week.
- **By Applying 5S in 5 workstations:**
 - Workspace occupation was increased by 28 square meters.
 - Searching time was reduced by 52 hours per month.
 - Production waste/SCRAP valued 35000 EGP was identified as a result of the implementation of 5S.
- **Human Resources:**
 - Job descriptions were developed from 20% to 80% of the employees.
- **Occupational Safety & Health:**
 - Safety and health improvement project has increased from 2 to 5.
- **Quality Management system:**
 - Defects rate reduction from 75% to 9%.
 - New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.
 - New Standards operating procedures were developed.
 - Increasing workers efficiency by 55%, by which 16 workers were doing the volume that has been done by 45 workers.

Nassar Plastic & Pipe Factories


El Obour city – 1 Industrial area pace 15
block 12, Obour, Qalyoubia - Egypt


+201223437384


orders@nassarplastic.com


PVC pipes
PPR fitting


Chemical Industry


1982


Contractors
Distributors


ISO 9001:2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



86
Total workforce
(permanent employees)

81 
5 

Improvement Teams



15 
Nr. of EIT meetings
per module

6 
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Existence of ESS
Upgrade of worker facilities

Quality Management



Systematic analysis of defect causes
Quality info shared with employees

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption

Human Resources



Existence of complaint procedure

Occupational Safety and Health



Accidents and near misses are tracked

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- 15% cost reduction through the implementation of 5S.
- 7% Defects reduction through the implementation of KPIs and data sharing.
- 90% increase in workers satisfaction has been indicated as a result of the upgrade of workers.
- Worker/managers Weekly meetings were scheduled.
- Communication channels were improved, employee suggestions and complaints box as well as open door policy was adopted.
- 5 suggestions were submitted in 1 month.

• Cleaner production:

- Energy Saving_ 1000 EGP monthly saving where indicated.

National Egyptian Drilling & Petroleum Services Co.



Plot 7090 Seventh industrial area,
Sadat city, Menoufia - Egypt



mohamed.ayman@nedc-eg.com



Water wells screen
& casing (metal pipes)



Engineering Industry



2012



Ministry of defense
and Military production
Ministry of irrigation

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



110 **110**
Total workforce
(permanent employees) 0

Improvement Teams



8 **7**
Nr. of EIT meetings
per module Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S
Upgrade of worker facilities

Quality Management



Collect customer feedback
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in worker
complaints

IMPROVEMENT PROJECTS

- **By Applying 5S in the raw material warehouse:**
 - Workspace occupation was increased by 30% square meters.
 - Searching time was reduced by 70%.
- **Quality Management:**
 - Welding defects were reduced from 15% to 3%
 - Increased productivity by 12%
 - Improved punctual delivery on time
 - Providing rewards and motivated employees

Oleo Misr

36-37 Fifth Industrial Zone,
Sadat, Menofia - Egypt

+20144445344

mradowan@oleomisr.com

Fatty acids
Glycerin
Soap noodle

Chemical Industry

2018

Pachin Paints
Eagle Paints

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



114 Total workforce
(permanent employees)

112
2

Improvement Teams



2
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Use of notice boards
Existence of ESS
Application of 5S

Quality Management



Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Occupational Safety and Health



Existence of w-m OSH Committee

IMPACT



Cost saving



Reduction
in waste
produced



Reduction
in worker
complaints

IMPROVEMENT PROJECTS

- **By Applying 5S in 3 workstations:**
 - Workspace occupation was increased by 27 square meters.
 - Searching time was reduced from 90 Seconds to 35 seconds.
 - Standard operating procedures and 5S checklists was increased by 50%.
- **Workplace Cooperation:**
 - Training for workers/manager increased from 4 workers to 10 workers.
 - 2 Enterprise improvement teams have been formed.
 - worker/manager meetings have been increased from 0 to 4 meetings monthly, once per week.
- **Visual Management:**
 - Notice/information boards have been increased from 2 to 6 boards.
- **Occupational Safety and Health:**
 - Safety and health improvement project has increased from 0 to 3.
 - OSH committee was formed.
 - First aid training was conducted.

Orem Egypt

173 no. 1, Block 20023,
Obour, Qalyoubia - Egypt

+21114923270

orem-egypt@orem-egypt.com

Starter
Alternator

Engineering Industry

2004

Eshak Youssef Eshak

General Motors

ISO9001:2008
ISO TS 16949

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



40
Total workforce
(permanent employees)

39
1

Improvement Teams



8
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S
Upgrade of worker facilities

Quality Management



Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce materials usage
Existence of machine maintenance

Human Resources



At least minimum wage is paid
Overtime is paid correctly
Working hours are within legal limits
Existence of complaint procedure

IMPACT

Cost saving

Reduction in
materials usage

IMPROVEMENT PROJECTS

- **Workplace Cooperation:**
 - 1000 USD was saved through the implementation of 5S.
 - Daily worker/manager meetings were scheduled.
 - Machines monthly checklist was developed.
- **Human Resources Management:**
 - Employee satisfaction increased to 90%.
 - Organization structure was developed.
 - 100% of Job description was developed.
 - 100% performance evaluation forms approved.

Pidilite Co.

Plot 178 fifth industrial area,
Sadat City, Menofia - Egypt

mohamed.mowafi@yahoo.com

Stanier
white glue

Chemical Industry

2009

Wood manufacturer
in Domiatt governorate

ISO 9001-2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



45
Total workforce
(permanent employees)

29
16

Improvement Teams



3
Nr. of EIT meetings
per module

6
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S
Upgrade of worker facilities

Quality Management



Collect customer feedback
Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use
Existence of machine maintenance

Human Resources



Rewards for good performance
Working hours are within legal limits
Existence of complaint procedure

Occupational Safety and Health



Use of risk assessments
Emergency exit routes
Accidents and near misses are tracked
Root cause analysis of accidents

IMPACT



**Increase in
productivity**



**Reduction
in defects**



**Reduction
in energy
consumption**



**Reduction in
materials usage**



**Reduction
in waste
produced**



**Reduction in
accidents**

IMPROVEMENT PROJECTS

• ESS - Employee Suggestion Scheme:

- 10% waste reduction was identified as a part of employee suggestion scheme.

• Occupational Safety and Health:

- worker welfare facilities were improved (e.g. canteen area, smoking area, and prayer room were developed).
- First aid training was conducted.
- Emergency evacuation drill was conducted.
- Firefighting training was conducted.

Roka Plast for Plastic Industries


El Khanka, Obour, Qalyoubia - Egypt


+201012392223


a.abbas@rokaplast.com


PPR pipes & fittings
UPVC pipes & fittings


Chemical Industry


2015


Emad Mohamed


Small Shops who are
targeting lots of plumbers


ISO 9001 / 2015

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



34
Total workforce
(permanent employees)

33
1

Improvement Teams



9
Nr. of EIT meetings
per module

4
Nr. of improvement
projects per module

Workplace Cooperation



Use of notice boards
Existence of ESS
Application of 5S
Upgrade of worker facilities

Quality Management



Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Monitoring of resource use
Process to reduce materials usage
Process to reduce energy consumption
Existence of machine maintenance

Human Resources



Rewards for good performance
Existence of complaint procedure

Occupational Safety and Health



Accidents and near misses are tracked

IMPACT



Cost saving



Increase in
productivity



Reduction
in worker
complaints



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Employee suggestion schemes were effectively implemented throughout the application of open door and complaints and suggestions box.
- Notice/information boards were displayed in the prod. Sections.

• Quality Management System:

- Quality policy was developed and KPI have been set.
- New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.
- Standard operating procedures were effectively implemented.

SHM Industries

Industrial area (B,C), Block 27007
Obour City, Qalyoubia - Egypt

+201064876867

hr@shmindu.com

Manufacturer of
Tanks and Fuel Tanks

Engineering Industry

1997

Fathy Abd-ElMasoud

ISO 9001
ISO 14001
OHSAS 18001
UL 142
UL 1746
EN 12285-1/2

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



184
Total workforce
(permanent employees)

184
0

Improvement Teams



10
Nr. of EIT meetings
per module

5
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S

Human Resources



Workers are trained regularly
Existence of complaint procedure

Occupational Safety and Health



Existence of w-m OSH Committee
Existence of OSH Policy
Use of risk assessments
Emergency exit routes
Use of PPE

IMPACT



Cost saving



Reduction
in worker
complaints



Reduction in
accidents

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- 60 % of Workspace occupation was saved as a result of the 5S application.
- SCRAP valued 120000 EGP was identified and sold.
- 10,000 EGP was saved as a result of the 5S_ Sorting process.
- 40 workers have been trained regularly on different aspects.
- Daily worker/manager meetings were launched.

• Occupational Safety and Health:

- Risk Assessment was conducted.
- Free of charge Personal protective equipment was provided to all workers, according to the risk associated with their duties.
- Material safety data sheet was developed for all the chemicals.

Sacom Plast

Plot 10, block 22001,
Obour City, Qalyoubia - Egypt

+201005577782

m_salem52@outlook.com

Printed books
Plastics products

Chemical Industry

2005

Mohamed Salem

Ministry of Education
Toshiba

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



35
Total workforce
(permanent employees)

33
2

Improvement Teams



6
Nr. of EIT meetings
per module

5
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S

Quality Management



Collect customer feedback
Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Process to reduce materials usage

IMPACT



Cost saving



Reduction
in defects



Reduction in
materials usage



Reduction
in waste
produced

IMPROVEMENT PROJECTS

- **Workplace Cooperation:**
 - 50% Reduction of defects rate.
 - 75% reduction of production leftover
 - 5S was implemented in spare parts warehouse.
- **Quality Management System:**
 - Quality policy was developed and KPI have been set.
 - New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.

Technical Co. for Engineering & Feeding Industries (TECHNO)



Industrial Zone 1- Plot 6 - Block 13030,
El-Obour, Qalyoubia - Egypt



+201006635717



mmhanafy@technopyramids.com



Led Lamps assembly
Feeding parts for households
Feeding parts for automotive



Engineering Industry



2009



Mohamed El-Hanafy



B2B factories and distributors



ISO 9001:2008

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



200 **197**
Total workforce
(permanent employees) 3

Improvement Teams



6 **6**
Nr. of EIT meetings
per module Nr. of improvement
projects per module

Clean Production



Monitoring of resource use
Process to reduce energy consumption

Human Resources



Workers are trained regularly

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction
in energy
consumption



Reduction in
materials usage



Reduction
in waste
produced



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Internal communication channels were developed, workers complaints & suggestions box as well as open door mechanisms have been effectively implemented.
- Worker/managers Weekly meetings were scheduled.
- 15% increase of productivity was identified.

• Human Resources Management:

- Employees satisfaction was increased from 1.3 – 2.3%.
- Job descriptions were completed for 100% of the job titles.
- Performance KPIs were set.
- Organizational chart was developed and validated.

Trust Industries

Kalyobia, Industrial zone 1,
Amal 1, Khanka, Qalyoubia - Egypt

+201028889736

I.mosleh@trust-seats.com

Bus and Mini Bus Seats
Micro Bus seats
Passenger car seats
2 & 3 wheelers seats

Engineering Industry

1996

Tamer El-Shafie

Ghabbour
Hashim Bus
Suzuki
MCV

ISO 9001:2015
ISO 14001:2015
ISO 18001:2015
IATF 16949

PROGRESS AGAINST MODULES CONTENT

The company has completed

Module
1

Module
2

Staff Structure



300 **300**
Total workforce
(permanent employees) 0

Improvement Teams



6 **5**
Nr. of EIT meetings
per module Nr. of improvement
projects per module

Quality Management



Systematic analysis of defect causes

Clean Production



Monitoring of resource use
Process to reduce materials usage

Human Resources



Rewards for good performance

Occupational Safety and Health



Emergency exit routes

IMPACT



Cost saving



Increase in
productivity



Reduction
in defects



Reduction in
materials usage



Reduction
in worker
complaints



Reduction in
accidents



Reduction in
absenteeism



Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- 15% increase in productivity in foaming department.
- 75% decrease in searching time.
- 3% decrease in SCRAP.

• Quality Management system:

- Quality policy is developed and KPI have been set.
- New quality statistical tools have been used to monitor the production process, identify the defect and analyse the root causes.

Yathreb for Electrical Industries


El Menofya - Egypt


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yathreb2000@hotmail.com


Manufacturing and
Collecting Electrical Boards


Engineering Industry


1994


Mohamed Yasser


ISO 9001:2000

PROGRESS AGAINST MODULES CONTENT

The company has completed



Staff Structure



106
Total workforce
(permanent employees)

86
20

Improvement Teams



16
Nr. of EIT meetings
per module

3
Nr. of improvement
projects per module

Workplace Cooperation



Existence of daily w-m meetings
Use of notice boards
Application of 5S
Upgrade of worker facilities

Quality Management



Existence of Quality Policy
Systematic analysis of defect causes
Quality info shared with employees
Use of SOPs

Clean Production



Existence of machine maintenance

Human Resources



Workers are trained regularly
Existence of complaint procedure

Occupational Safety and Health



Use of PPE
Root cause analysis of accidents

IMPACT


Cost saving


Increase in
productivity


Reduction
in defects


Reduction in
materials usage


Reduction
in waste
produced


Reduction
in worker
complaints


Reduction in
absenteeism


Reduction in
labour turnover

IMPROVEMENT PROJECTS

• Workplace Cooperation:

- Worker/managers Weekly meetings were scheduled.
- Communication channels are improved, employee suggestions and complaints box as well as open door policy is adopted.
- 5S was implemented in 4 production sections.
- Employee of the month scheme is adopted.

• Quality Management System:

- Quality management system department was established including KPIs.
- 100% of the Workers were trained on the principals of quality.
- 6 inspections points were established in the production lines.
- Standard samples were developed and marked.
- Defects were identified and analyzed.
- Standard operating procedures and work instructions were developed in addition to machine maintenance instructions.
- Customer complaints were collected, and action plans were maintained.