

# MED TEST III Jordan

Transfer of Environmentally Sound Technologies

Chemical sector

*Chemvet - Advanced Agrochemicals and Veterinary Products*

## Company overview

**Number of employees:**  
74 full time employees

**Key products:**  
Agrochemicals and Veterinary Products

**Main markets:**  
Local (30%) and international markets (70%) including the MENA region, Pakistan, Vietnam and Afghanistan, in addition to Trinidad (South America).

**Standards & certifications before MED TEST III:**  
ISO 9001:2015, ISO 14001: 2015, ISO 45001:2018 and ISO 17025:2017 certificates.

Established in 2000, Advanced Agrochemicals and Veterinary Products Industrial Company (Chemvet) is a formulator of pesticides and veterinary drugs. The company produces agrochemicals, fertilizers and veterinary products for the local and global markets, currently exporting to around 25 countries worldwide.

Chemvet has established a research and development section to continuously improve and develop its products. European Good Manufacturing Practices (GMP) are applied in the company.

## Benefits

The MED TEST III project identified total annual savings of 313,073 Euro\* (234,805 JOD) raw and auxiliary materials with an estimated investment of 1,733,333 Euro\* (1,300,000 JOD). The average pay back period for the identified measures is 5.5 years. The top management has accepted 100% of the identified 10 measures for implementation and 80% of them are already implemented.

By implementing the accepted measures, materials consumption will be reduced by 8.1%, and solid waste will be reduced by 60 tons per year.

In addition to the identified saving measures, the company aims to produce environmental-friendly products (biological pesticides) in order to reduce the impact on the environment and public health. Accordingly, an international expert from the MED TEST III project provided assistance in preparing a roadmap that can help the company in reaching this target.

## Identified annual savings



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The presentation on how the MED TEST III project works in tracking and measuring losses in industrial companies, completely convinced us on the usefulness and the necessity of participating in this project

Mr. Hussein Al-Jazzar  
Chairman of the Board of Directors/General Manager

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## Visit SwitchMed.eu

As part of the EU-funded SwitchMed programme, UNIDO demonstrates in the MED TEST III project pathways for industries in the Southern Mediterranean to become more resource efficient and to generate savings for improved competitiveness and environmental performance.

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## Saving opportunities\*\*

Actions	Economic key figures			Resource savings & Environmental impacts		
	Investment Euro*	Savings Euro* per year	Payback period years	Water & materials per year	Energy MWh per year	Environmental impact per year
Saving in raw and auxiliary materials	541,313	270,457	6.4	51.8 tons	-	
Upgrading equipment	1,192,020					
Controlling coagulation, separation and corrosion problems.	---	42,616	0	8.2 tons	-	
<b>TOTAL</b>	<b>1,733,333</b>	<b>313,073</b>	<b>5.5</b>	<b>60 tons</b>	-	

\*Exchange rate 0.75 Jordanian Dinar (JOD) = 1 Euro

\*\* Numbers based on production value from 2020

### Savings in raw and auxiliary materials

Savings in raw and auxiliary materials will be achieved through; the use of automated feeding systems for reactors, tanks and drums; improving the storage conditions; avoiding storing for long periods; and providing storage areas with containment areas. In addition, awareness raising on the handling and transferring of raw materials, using automated weighing system and developing ideal layout for locations of weighing room and storage areas for better transferring system, can achieve additional savings.

### Upgrading equipment

Replacing old production equipment and utilities with new, up-to-date and digitized technology will effectively save raw and auxiliary materials.

### Controlling coagulation, separation and corrosion problems

Applying specific technical procedures and solutions will manipulate better control the problems related to coagulation, separation and corrosion in aerosols and capsulated products. This measure will inflict no direct cost and can instantly yield significant savings for Chemvet.

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As expected, we found some instances that were causing us losses, and the MED TEST III project offered us solutions which we expect will effectively remove them.

Mr. Hussein Al-Jazzar

Chairman of the Board of Directors/General Manager

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