



Club Founder
Dr. Mahmoud Bahgat



Co-Founder & Host:
Dr. Ahmed Raafat



International Factories Club
API MANUFACTURING
FROM AN IDEA TO EXECUTION

Online zoom
10 pm KSA Egy - 11 pm UAE



Dr. Hanaa Abdel-Maguid
Site Director at PBIC , CEO at Annex Labs

SAT. 23RD AUGUST 2025



Dr. Hanaa Abdel-Maguid

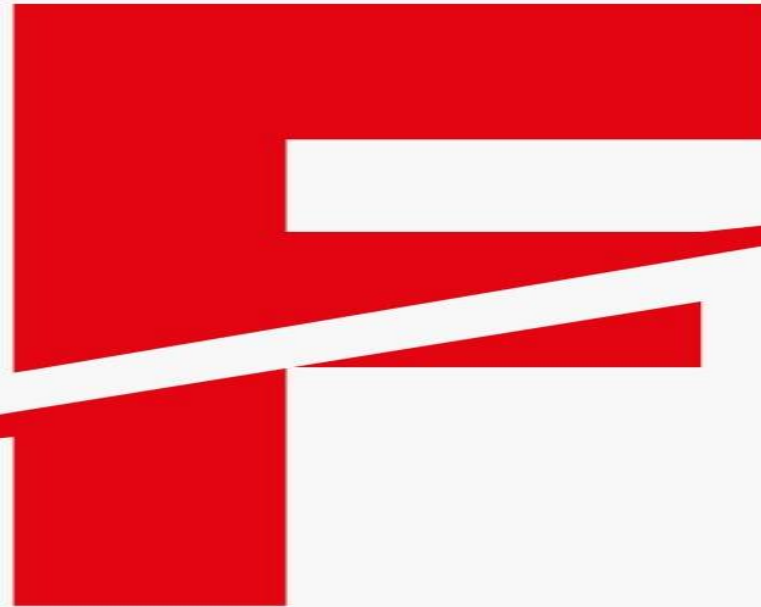
Education:

- DBA, Strategic Management – AASTMT | GPA: 3.97 (2013)
- MQM – Productivity & Quality Institute, AASTMT | GPA: 3.94 (2022)
- MBA – AASTMT | GPA: 4.00 (2005)
- BSc in Pharmaceutical Sciences – Alexandria University | Very Good with Honors (2000)

Experience:

- Chief Executive Officer, Annex Labs, Egypt (Nov. 2023 – Present)
- Site Director, PBIC for API Manufacturing, Pharco Corporation, Egypt (Jan. 2018 – Present)
- Managing Director, EEPI Medical Devices, Pharco Corporation, Egypt (Mar. 2024 – Dec. 2024)
- Corporate QHSE Director – Pharco Corporation (Apr. 2020 – Mar. 2024)
- Vice Chairman & CEO, TCD MENA CRO, Egypt (Dec. 2016 – Nov. 2017)
- Medical Director, EEPI, Pharco Corporation, Egypt (Mar. 2015 – Nov. 2016)

International



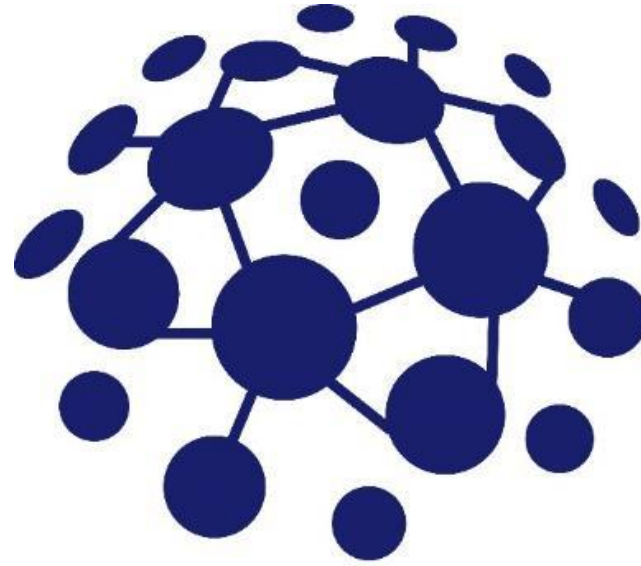
Factories Club

Sharpen your skills



API MANUFACTURING (FROM IDEA TO EXECUTION)

By: Dr. Hanaa Abdel-Maguid



PBIC

API Manufacturing

Pioneering API & CDMO Solutions in Egypt

PBIC OVERVIEW



PBIC OVERVIEW



April 2024



 World Health Organization
May 2023

Production
Commencement
April 2016



Commissioning
January 2015



PBIC OVERVIEW



Contract Development & Manufacturing Organization

PBIC offers CDMO services, with a team of manufacturing experts



CURRENT PRODUCTS

PBIC collaborated with Technology Transfer Partners to develop the current Products



Herbal Extracts

ACPN

A building block intermediate for API manufacturing

Vildagliptin

an orally active antihyperglycemic agent that used for the treatment of type II diabetes mellitus in adults.



Sofosbuvir

Hepatitis C virus nucleotide analog NS5B polymerase inhibitor for the treatment of chronic HCV

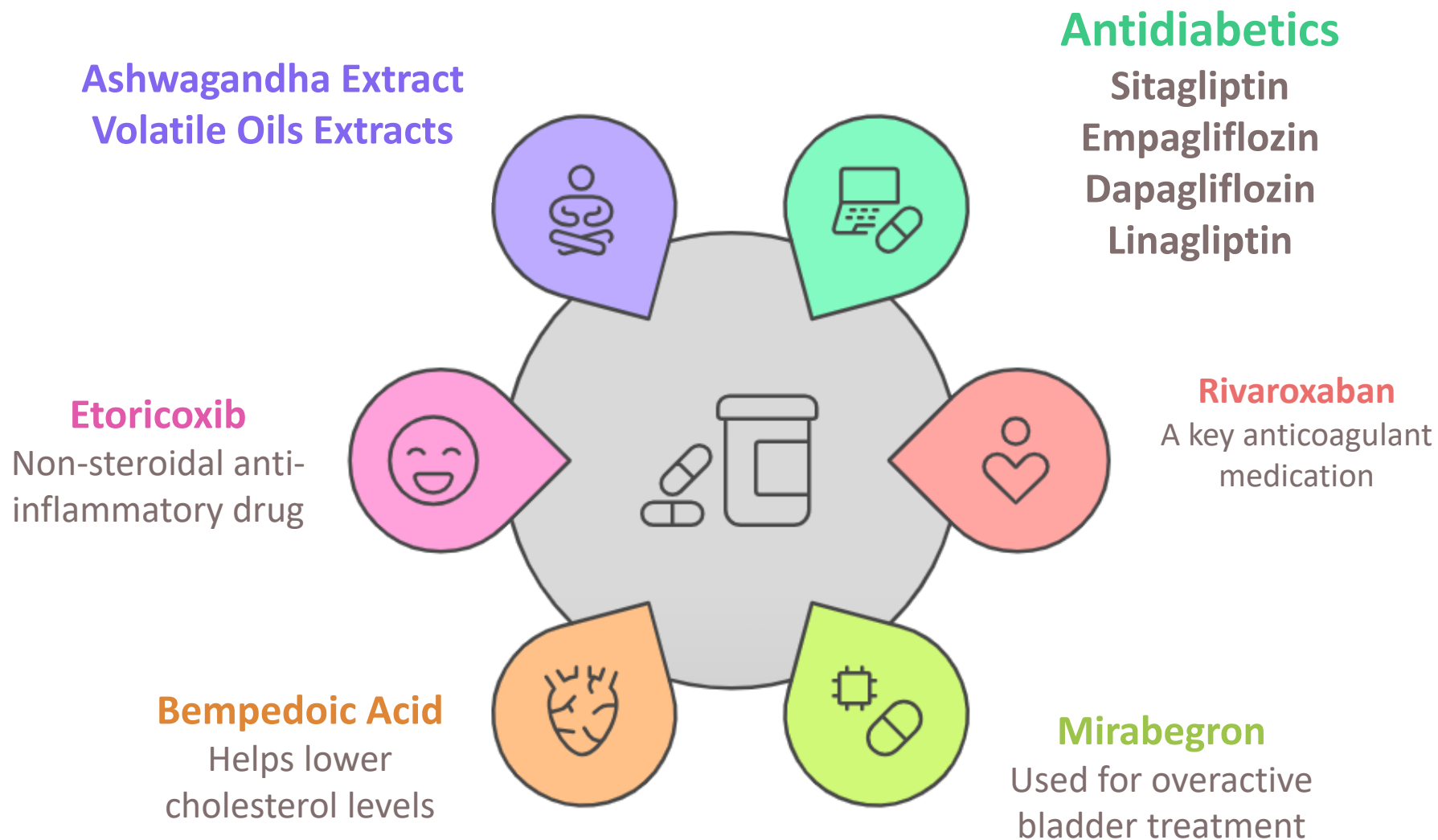
Ravidasvir Hydrochloride

Hepatitis C virus NS 5 A protein inhibitors; HCV replication inhibitors.

Molnupiravir

an antiviral medication that inhibits the replication of certain RNA viruses, for the treatment of COVID-19

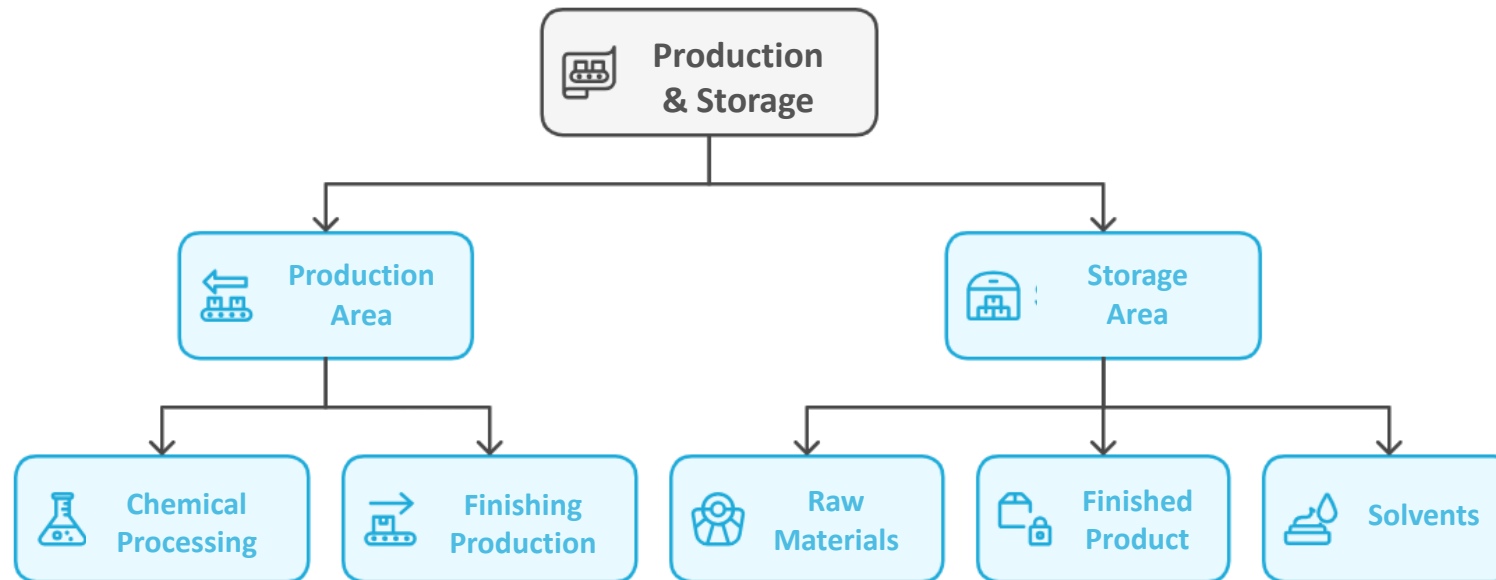
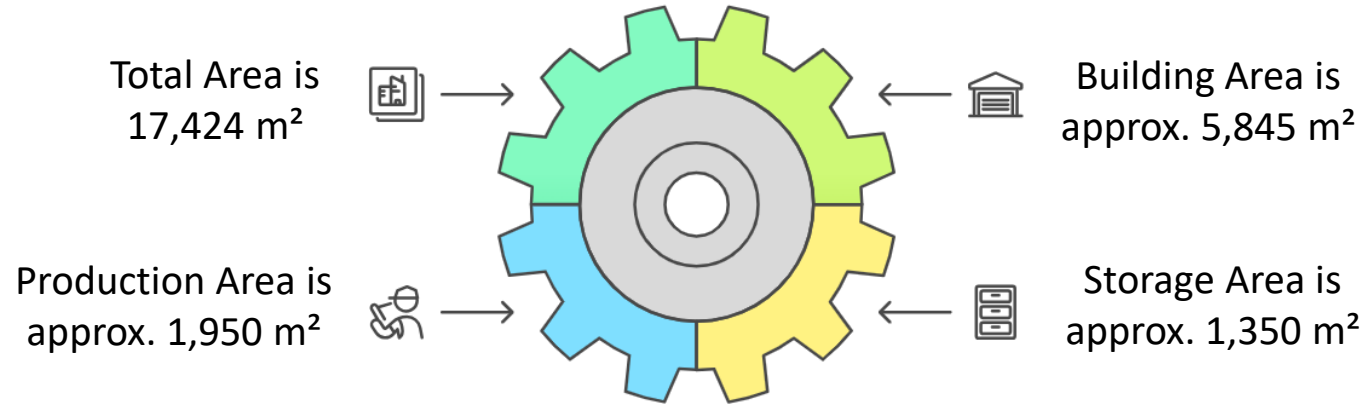
PRODUCTS UNDER DEVELOPMENT



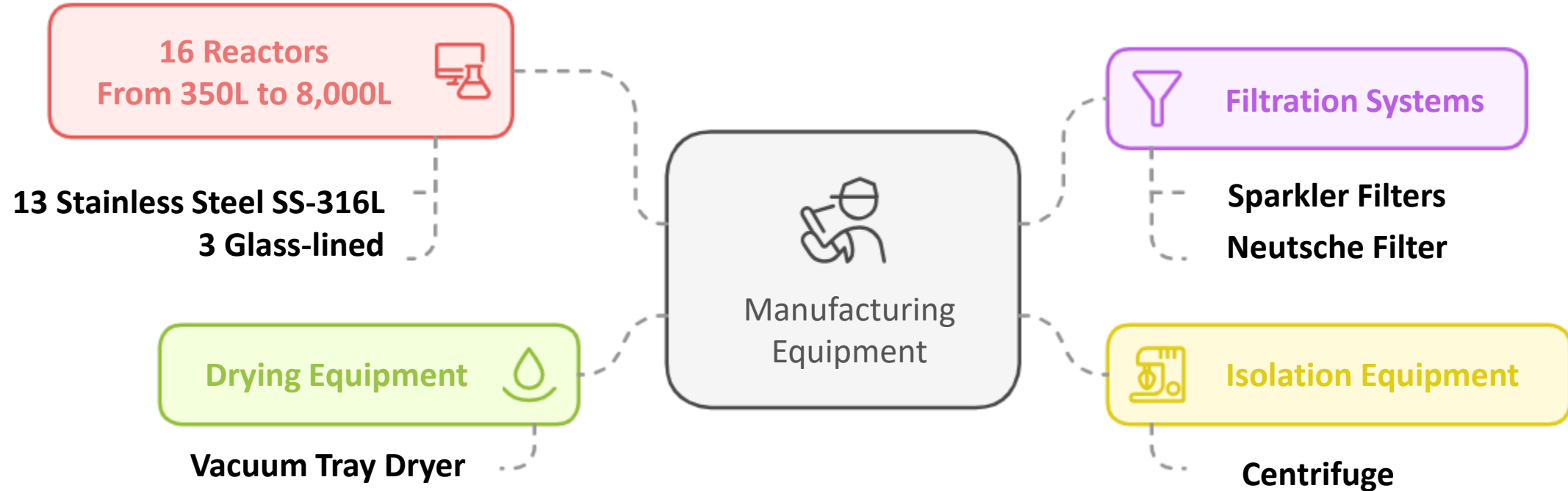
PLANT LAYOUT



BUILDINGS AND LAYOUTS



MANUFACTURING CAPABILITIES



MANUFACTURING CAPABILITIES



Sr.	Equipment	Name	MOC	Useful Volume (liters)	Jacket	Heat exchanger
1	Reactor	RS01	SS316	1600	✓	
2	Reactor	RS02	SS316	3000	✓	✓
3	Reactor	RS03	SS316	3000	✓	✓
4	Reactor	RS04	SS316	2400	✓	✓
5	Reactor	RS05	SS316	2000	✓	✓
6	Reactor	RS06	SS316	350		
7	Reactor	RS07	SS316	3000	✓	
8	Reactor	RS08	SS316	6000	✓	
9	Reactor	RS09	SS316	1450		
10	Reactor	RG10	Glasslined	8000	✓	✓
11	Reactor	RG11	Glasslined	2800	✓	✓
12	Reactor	RS12	SS316	5900	✓	✓
13	Reactor	RS13	SS316	5900	✓	✓
14	Reactor	RG14	Glasslined	8000	✓	✓
15	Reactor	RS15	SS316	350		
16	Reactor	RS18	SS316	480	✓	✓

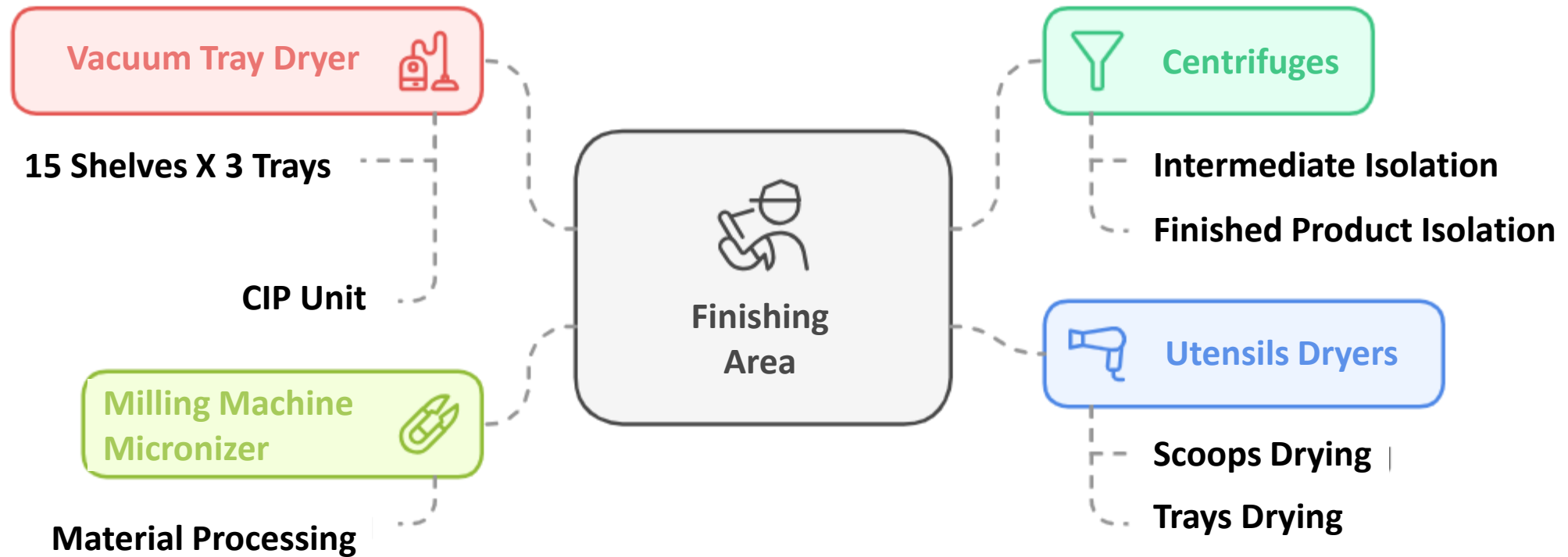
Total useful capacity
of production
reactors is
@ 55KL

	Ravidasvir	Sofosbuvir NPP	Other Products
Max Capacity	4 T/year	8 T/year	60 T/Year

Other Products:

- Empagliflozin
- Dapagliflozin
- Sitagliptin
- Linagliptin
- Bempedoic Acid
- Etoricoxib
- Vildagliptin
- Mirabegron
- Rivaroxaban

MANUFACTURING CAPABILITIES



MANUFACTURING CAPABILITIES



In-house Laboratories

to support development, technology transfer, and production



HVAC System

supporting Grade D (ISO Class 8) clean rooms

Temperature Control

from -30°C to +120°C
(4 chillers and 4 thermal units)



Purified Water System

EUP Purified Water generation, storage, and distribution system.
(Capacity 1 m³/h)

PROCESSING MANUFACTURING AREA



FINISHING PRODUCTION AREA

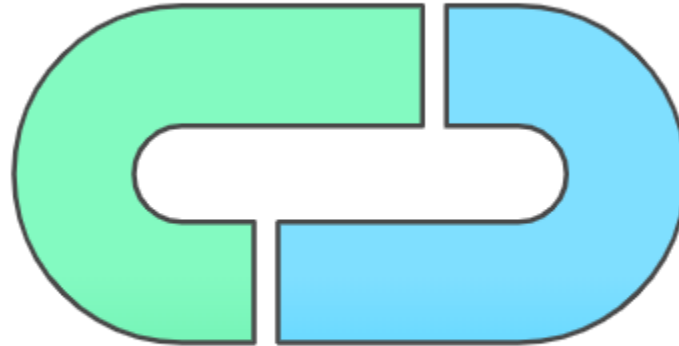


HERBAL EXTRACTION AREA



GMP Classified Area

- 4 Reactors from 480L to 4000L.
- 3 Stainless Steel SS-316L reactors.
- 1 Glass-lined reactors.
- 2 Solvent storage tanks.



General Manufacturing Area

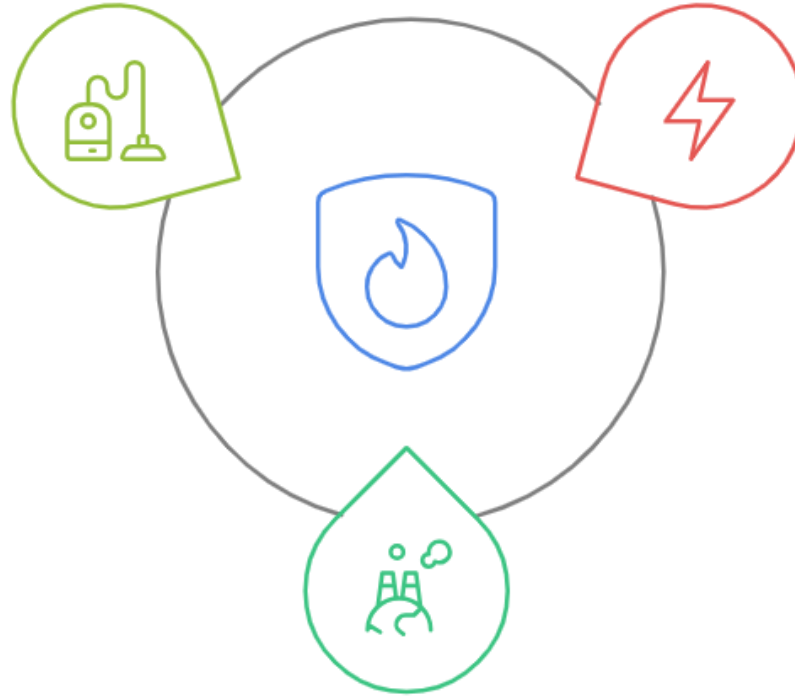
- 1 Heildolph Rotary Evaporator (20L)
- 1 High Shear Mixer (10Kg)
- 1 Static vacuum tray dryer (20Kg)

ENVIRONMENT, HEALTH AND SAFETY



Dust Collection

Equipped with an Air Exhaust dust collector



Explosion-Proof Design

Compliant with International Electrical Code (IEC)

Emission Control

Utilizes scrubbers and incinerators for solvent waste

ENVIRONMENT, HEALTH AND SAFETY



The facility is equipped with an **Incinerator** for solvent waste incineration



QUALITY CONTROL



Experienced Team



Compliance

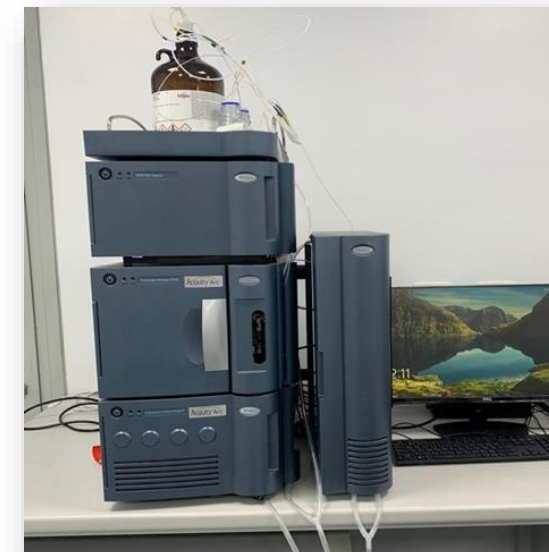


QC Laboratory

Diligently follows GMP guidelines

Adheres to 21 CFR Part 11 and Ensures data integrity with Empower3

Monitors chemical and microbiological quality parameters



MANAGEMENT SYSTEMS



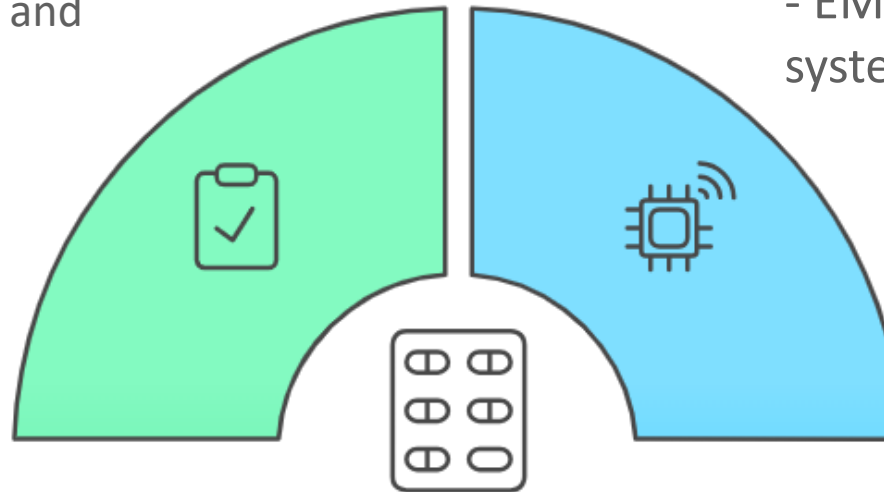
Compliance with Standards

- Designed to meet GMP requirements and ISO 9001:2015, ISO 14001:2015 and ISO 45001:2018 standards
- Our products are consistently produced and controlled to EMA, ICH and WHO

Integrated Systems

GMP Relevant Computerized Systems:

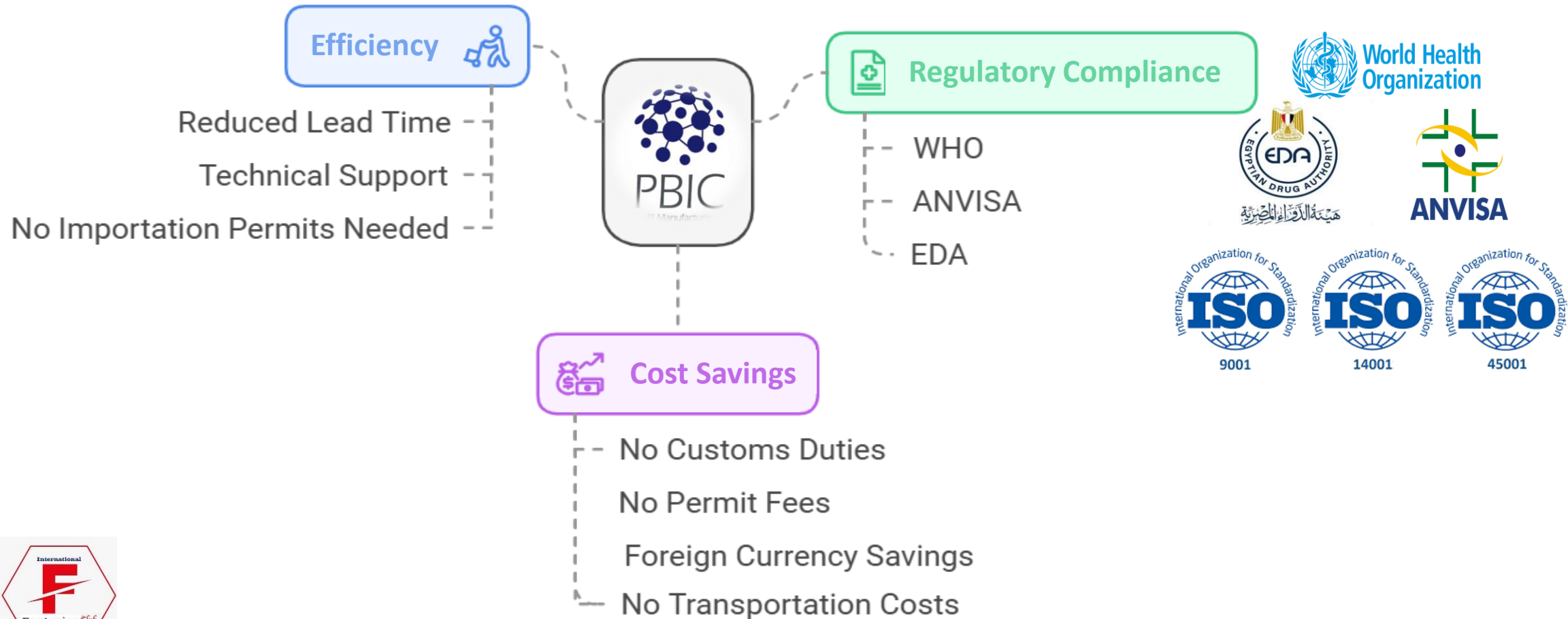
- SAP ERP System
- EMPOWER & chromatography data system (CDS)



PARTNERS



WHY PBIC?



CONTACT US



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- **E-mail:** info@pbichem.com

