

TEC Square PM

TEC Square Project Management SL
High-tech plants and Turnkey Solutions



TEC SQUARE
GROUP OF COMPANIES

INDUSTRIES WE SERVE

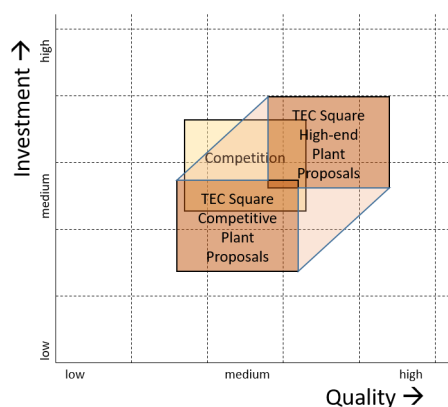


INSTANT COFFEE

One of the pillars of TEC Square's expertise is instant coffee processing. We provide systems that are designed specifically for each customer. Our key engineers have a background in the manufacturing business. We design factories for operational convenience, providing special solutions for:

- ◆ Extraction
- ◆ Aroma Recovery
- ◆ Concentration
- ◆ Spray Drying
- ◆ Agglomeration
- ◆ Freeze Drying
- ◆ CIP

Our philosophy is that flexibility is key for operational excellence.



FRUIT JUICES

Our extensive experience with aroma recovery gives us the full confidence that our solutions are applicable to high-quality fruit concentrates as well:

- ◆ We have developed a high-end aroma recovery system.
- ◆ Our solution for concentration also provides an excellent result for concentrates due to a combination of low temperature and low residence time.



DAIRY

TEC Square has developed technologies that favor high quality products and low operational costs. We have special solutions for:

- ◆ High efficiency Milk reception.
- ◆ 7-in-1 processing—our high-end solution from raw milk storage to pre-concentration.
- ◆ High concentrator with built-in integrated feed system.
- ◆ Efficient CIP Plant design. We recuperate waste and reuse waste streams where possible.
- ◆ Zero water concept. We aim to use water from internal sources only, creating less waste water.

We also have special solutions for other processes or products:

- ◆ Spray drying
- ◆ Vacuum mixing plants
- ◆ Pasteurization plants
- ◆ Yogurt processing plants
- ◆ Sweet and evaporated condensed milk plants
- ◆ Butter & AMF plants

OTHER INDUSTRIES AND APPLICATIONS

WATER AND WASTE WATER

We favor integrated solutions for recovery of resources and minimization of water use and waste water BOD.

RENEWABLE ENERGY

Innovative solutions for the reuse of operational resources.

SOY MILK

High-end solutions for soy and other vegan milk extraction and processing.

OUR SOLUTIONS

Our Technologies	Instant Coffee	Milk Powder	Fruit Juices
Flexible Extraction	Our flexible extraction technology allows for simple investments initially while keeping the option open to add at a later stage <ul style="list-style-type: none"> ◆ Capacity ◆ Quality 		
7-in-1 Processing		Our 7-in-1 processing technology is designed on a “straight through” principle. OPEX and CAPEX are considerably lower than comparable technologies	
Aroma Recovery	A top-of-the-line Aroma Recovery Process has been developed that provides excellent quality combined with simplicity		The Aroma Recovery Process has been extensively tested on coffee. Fruit juices have similar requirements for quality
Low Impact Thermal Concentration	The best alternative to Freeze Concentration in the business. Our technology has many advantages over existing high-end technologies. High quality concentrates at 60% TS are no exception for us.		If you consider freeze concentration, our technology will give substantial savings on OPEX and CAPEX
High Concentration		We provide integrated solutions that result into less capital investment and less operational costs.	
Efficient Spray Drying	We combine several effective technologies in one concept. Including in-lieu agglomeration	Same principle applies	Same principle applies
High TS Concentration	These techniques allow for more aroma addition, less losses and higher yearly outputs		
Efficient CIP Technologies	Our CIP plants are designed to save materials. Our processes are designed to maximize operational time.	We CIP plants reduce investment costs and operational costs. We minimize waste water.	
Please contact us at www.tecsq.com for more information			



TEC Square Project Management SL

Located in Málaga Spain, provides solutions for high-value processing plants, including EPC management. We are specialized in added-value concepts.

WHAT WE DO

We specialize in projects with highly complex processes. Our core competencies are in the fields of:

- ◆ extraction,
- ◆ aroma recovery,
- ◆ evaporation,
- ◆ spray drying and agglomeration,
- ◆ freeze drying,
- ◆ Standardization,
- ◆ CIP systems,
- ◆ Waste and waste water systems.

We believe that a good process needs to be simple and flexible at the same time, while energy consumption and waste generation should be low.

OUR VISION

To provide the food industry with highly efficient, environmental- and ergonomics-friendly processing plants at lowest investment by using practical common sense designs.

OUR PHILOSOPHY

We pride ourselves in our belief that we are partners in a project and see our client's success as our success.

TEC Square aims to add value to every step of a process:

- ◆ **Quality:** We provide high-end solutions for quality products.
- ◆ **Delivery:** We ensure that projects are delivered on time, every time.
- ◆ **Cost:** Our multinational setup allows us to provide cost-effective support for a project.

TEC Square Group of Companies

TEC Square SL / TEC Square BV

These companies are the center for process technology. TEC Square S.L. is located in Spain and TEC Square BV is in the Netherlands.

TEC Square Electrical BV

We have our own center of excellence for the manufacturing of electrical panels. Our partner Cable Solutions manufactures our panels in their production facilities in Hungary.

TEC Square Solutions Inc.

Located in the Philippines, this is our hub for all engineering tasks. From Cebu we provide detail engineering, planning, specifications, installation supervision and other installation-related engineering. We also provide electrical systems and have a dedicated in-house automation department.

TEC Square Project Management S.L.

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