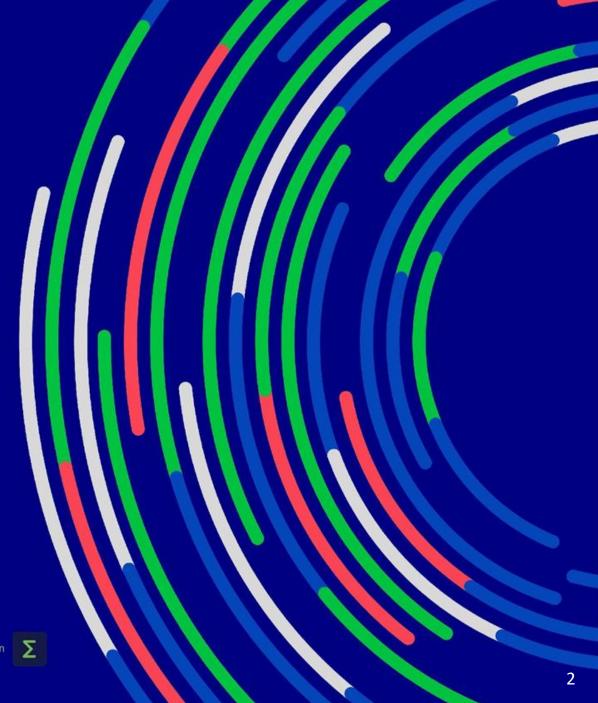
25 years of ITEA webinar – Türkiye

Eliar Elektronik San. A.Ş.

12 May 2023 | Online Aylin Karcı





Eliar Elektronik San. A.Ş.



Company data

Creation date: 1984

Number of employees: ~200

Country: Istanbul / Turkey

Looking for

.Finding a project idea to join

.Partnership to set up an idea together

Both on industrial manufacturing

Expertise / main products

- Software Design & Development Textile dyeing machine controller SW, MES level software modules, IT/OT integration, Data science
- Hardware Design & Development PLCs and I/O modules, industrial operator panels, smart sensors
- Mechatronics Full automated chemical and dye weighting and dispensing systems for the textile dyeing and finishing sector



25 years of ITEA webinar – Türkiye

Project idea: ABPOS

Advanced Batch Process Optimization for Sustainability

12 May 2023 | Online Sencer Sultanoğlu, Eliar Elektronik





Which problem do you want to solve?

- Batch processes are widely used in various sectors such as chemicals, pharmaceuticals, food and beverage, textiles, biotechnology, and more.
- Environmental sustainability and consumer awareness is gaining importance.
- Real-time process monitoring, data collection and storing, machine learning and anomaly detection algorithms to optimize the batch process, resulting in reduced production costs, improved resource utilization and better product quality resulting in sustainability.
- By fostering collaboration and knowledge sharing between academia, solution providers and industry, the ABPOS project will facilitate the sharing of best practices, knowledge, and novel technologies.
- We offer our expertise on textile dyeing domain and technical competence on data science for solving an use-case on textile dyeing process.

Inputs

- .Fabric
- .Dyestuff
- .Chemicals
- .Water
- .Electricity
- .Steam







.Right first time dyed fabric



Waste Outputs

- .Effluent containing residual dyes, chemicals, and process additives
- .Air emissions
- .Excess dyestuff and chemicals





What are you looking for?

Missing partners / expertise

- Use-cases on batch processes focused on optimization for increasing environmental sustainability
- Technical solution providers and universities working on use-cases

Partners already involved

Mayteks / Turkey



Contact details

Sencer Sultanoğlu
Eliar Elektronik San. A.Ş.
sencer.sultanoglu@eliarge.com

Tel: +90 542 375 0323

Aylin Karcı Eliar Elektronik San. A.Ş. aylin.karci@eliar.com.tr

Tel: +90 212 274 3031





