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Bu proje Avrupa Birliđi ve Trkiye Cumhuriyeti tarafından
finanslanmaktadır



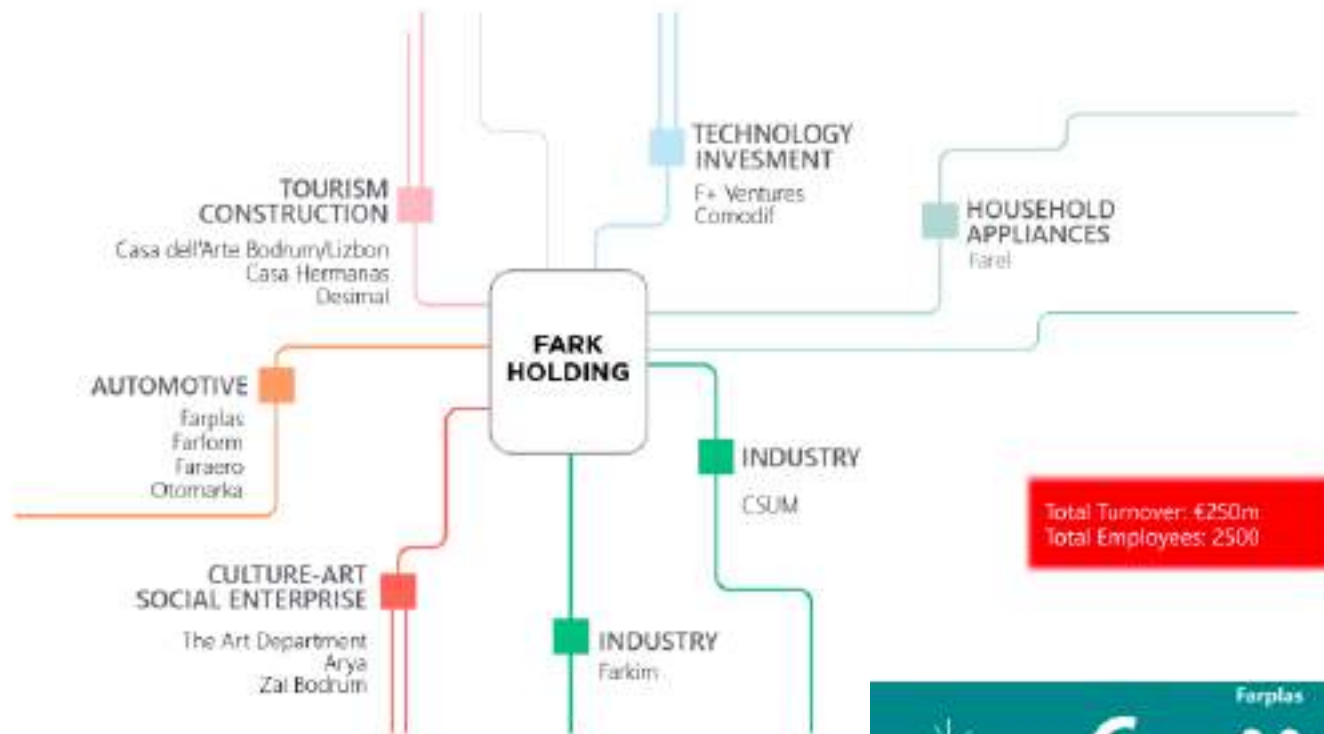
AB Programları ve Proje Fırsatları alıřtayı; Gelecek ve Dijital Geiř iin Proje Fırsatları

Yavuz Emre Yađcı-Farplas Otomotiv
5.11.2022



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| | | | | |
|--|--|---|---|--|
|  1968 Foundation Year |  165m 2019 Turnover |  2000 Total Employment |  2 R&D Centers |  3 Production Locations |
|--|--|---|---|--|



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Müşteriler



ISUZU



Otokar

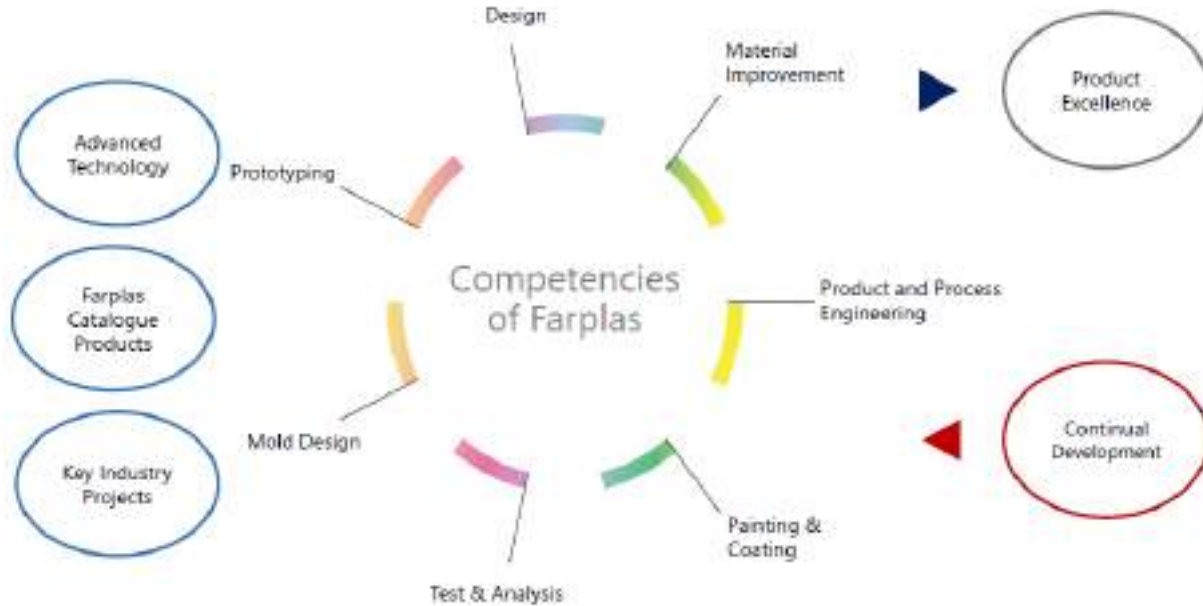


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Otomotiv Yetkinlikleri





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Entegre Sistem Altyapısı



Novi

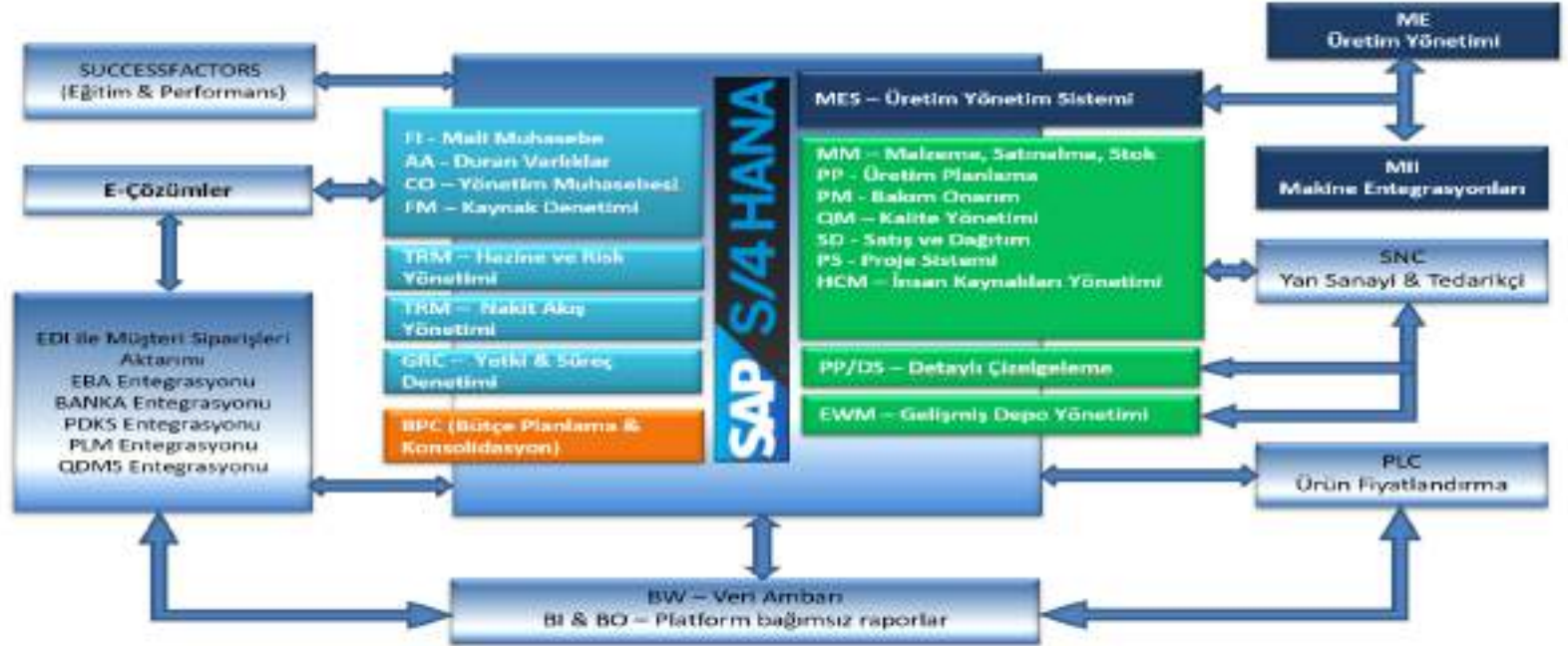




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Entegre Sistem Altyapısı





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Yol Haritası ve İş Birlikleri

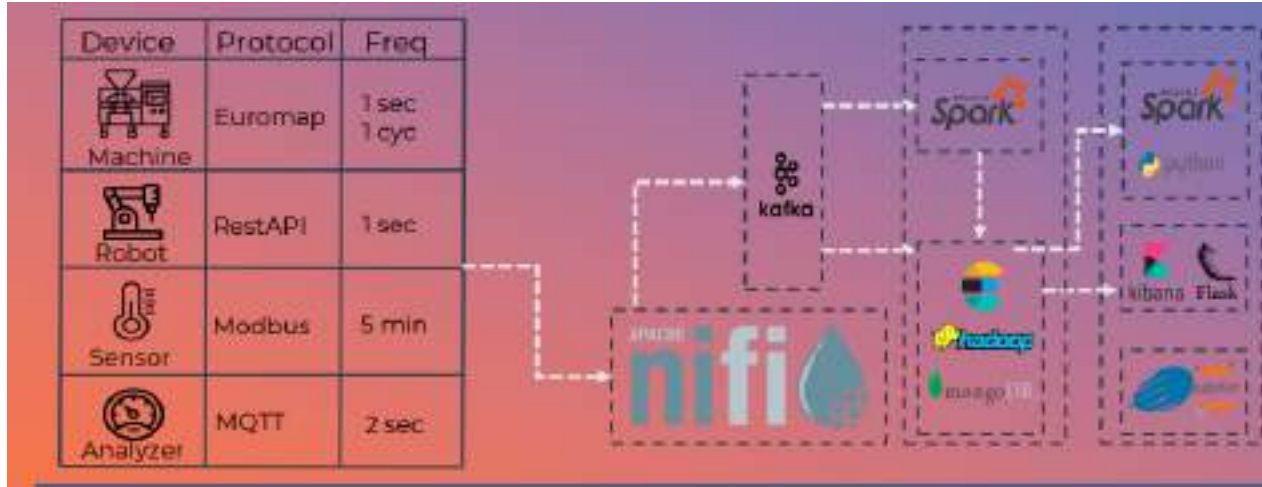




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Farplas Büyük Veri Mimarisi

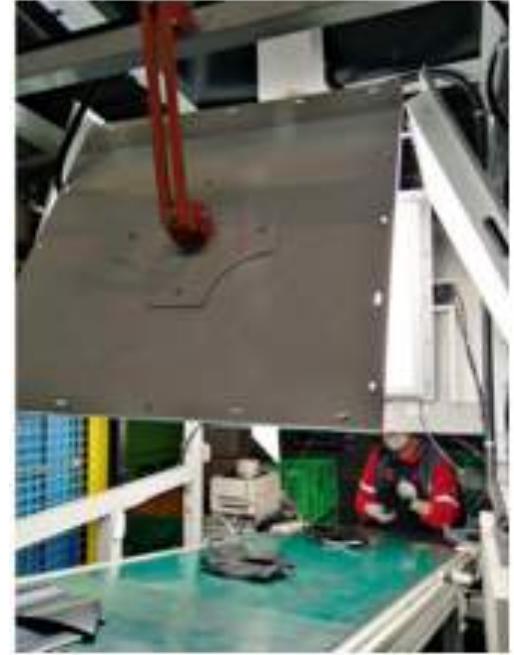
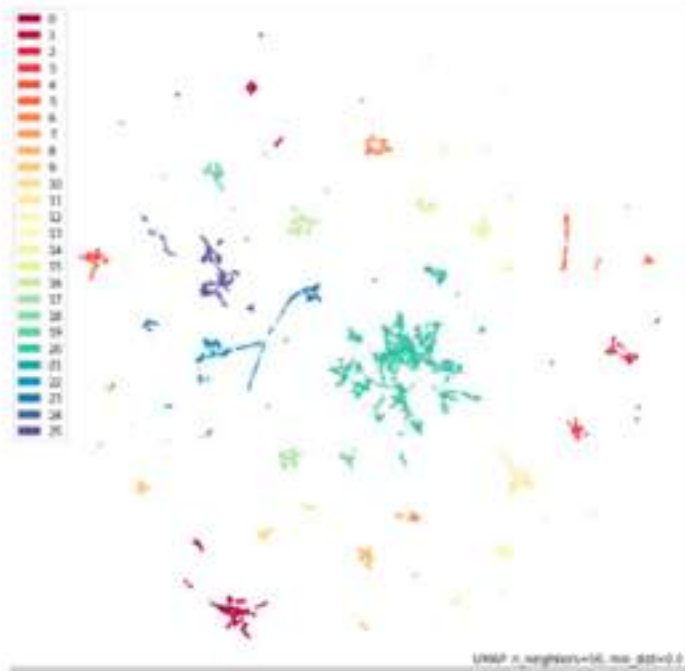




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Farplas Yapay Zeka ve Görüntü İşleme





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- *Dijital Dönüşüm Avrupa Projeleri*

REVOLUTION

 **teaming.ai**





Goals

- ✓ AI enhanced injection process
- ✓ Increase recycled material performance with state-of-the-art process monitoring & automated dosage systems.
- ✓ Designing lightweight Crash Box, Lower Rear Bumper, B-pillar and Rear Back Seat Panel by using recycled material.

Partners



- Idener
- VTT
- Imec
- Tofas
- Maier
- Basell
- Iconiq
- Farplas
- Fraunhofer
- Clariant
- Altuglas
- Heathland
- Norner
- FIAT Scpa

Use Cases



Back Seat Panel

The Clariant's currently used grey and blue plastic is replaced by a material it uses 20% recycled plastic (PCR) and 80% post-consumer recycled plastic (rPET) with a weight reduction of 10%.



Lower Rear Bumper

It is based on PET-based. New design is offered to allow the replacement of the plastic material with recycled material and 10% weight reduction and 10% weight reduction.



B-Pillar Cover

Clariant's PET-based PCR plastic is used for the B-pillar cover. It is a 100% recycled plastic material with a weight reduction of 10%.



Crash Box

It is based on PET-based. New design is offered to allow the replacement of the plastic material with recycled material and 10% weight reduction and 10% weight reduction.

Budget

Total Project Budget : 5 M €

Farplas Budget : 560 K €



Project Name : *Teaming.AI(2nd year of 3)*

Call: Horizon 2020- Information and Communication Technologies

Goals

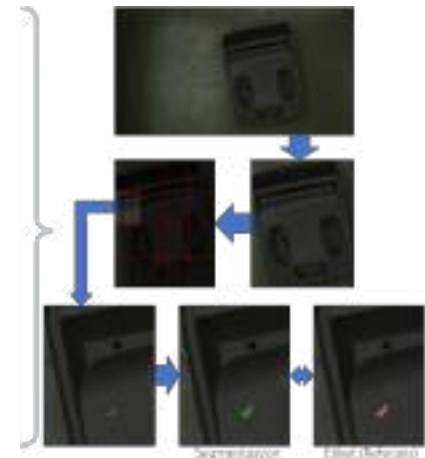
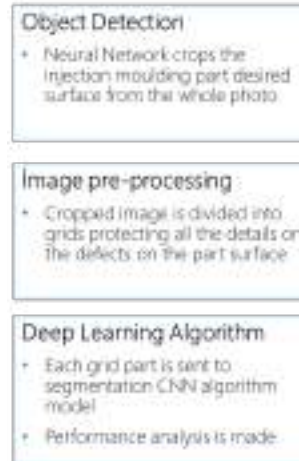
- ✓ To combines knowledge graphs and relational machine learning
- ✓ Human centred AI collaboration
- ✓ Agile production with high diversity of products and high frequency of process changes (**quality inspection**)
- ✓ Knowledge-intensive processes such as process diagnostics for complex machines (**injection moulding**)

Partners

15 Partners



Achievement



Budget

Total Project Budget : 5,7 M €

Farplas Budget : 310 K €



Farplas Ailesi





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Link ve Kontaklar



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<https://www.linkedin.com/company/i4q-project/>

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