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## ABOUT US

**ÇELİKARME A.Ş. (www.celikarme.com) is an industrial organization based on more than 30 years of experience, high potential, technical infrastructure and expert staff in the Clean Fuels, fuel oil, energy and industrial steel structures sectors.**

- ❖ **ÇELİKARME A.Ş. It has a high reputation in the sector with its expert staff and technical competence. Its collaborations and solution partnerships with Turkey's largest construction companies, oil distribution companies and sectoral contractors have proven their quality by providing services to projects especially in Turkey, the Middle East, Asia and Africa.**
- ❖ **ÇELİKARME A.Ş. It has existing installed capacity and manufacturing capability, advanced physical, technical infrastructure and machinery facilities in the facilities it owns together with itself and its Solution Partners. It can serve its customers as a contractor or project consultant in project, manufacturing and contracting works.**
- ❖ **ÇELİKARME A.Ş. It aims to provide superior service quality and continuous customer satisfaction with the synergy it offers to the sectors in which it operates. The company's greatest strength is its ability and experience to meet multiple and different needs with its wide range of products and services.**
- ❖ **ÇELİKARME A.Ş. With this competence and experience, it precisely determines customer expectations and needs and produces accurate and customer-oriented solutions suitable for specific projects.**



**Mutlu Battery, Steel Construction, Crane and Process Piping System**

# PROCESS SYSTEMS FOR INDUSTRIAL FACILITIES

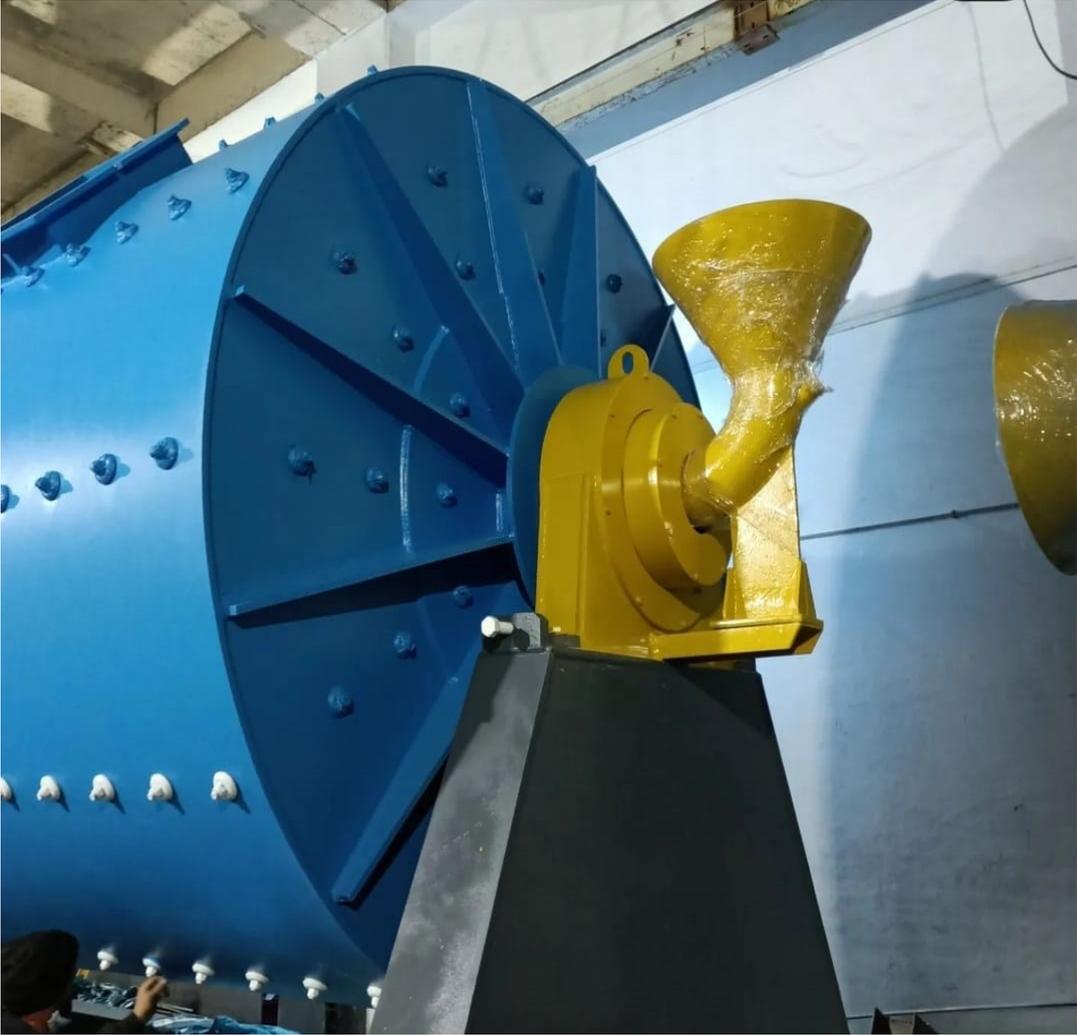


**Mutlu Battery, Process Piping System**



**Multi-Chamber Oven Platform**

# PROCESS EQUIPMENT FOR INDUSTRIAL FACILITIES



Process Boilers

# STORAGE AND MIXING TANKS FOR INDUSTRIAL FACILITIES



Solvent Tanks



Process Piping and Alternative Fuel Equipment



**ÇELİKARME**  
ALTERNATİF YAKIT SİSTEMLERİ A.Ş.

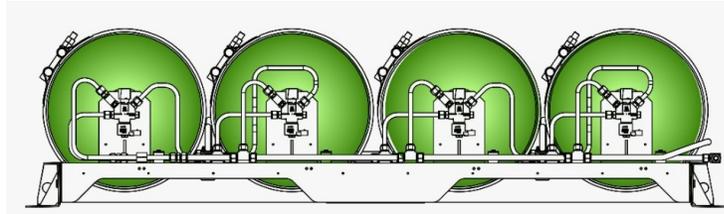
**DUAL  
FUEL**

**CNG + DİZEL**

# Dual Fuel System Equipment



ECU Electronic Control Unit



Injector



Exhaust Heat Sensor

**EXCEPT FOR STANDARD EQUIPMENT THE FIRST SPECIAL TECHNOLOGICAL DESIGN IN THE WORLD!**

24 VDC ●  
12 VDC ●  
Ignition 12/24VDC ●  
Valves ●



Manometer



Filter



Map Sensor

Regulator



Selonoid Valf

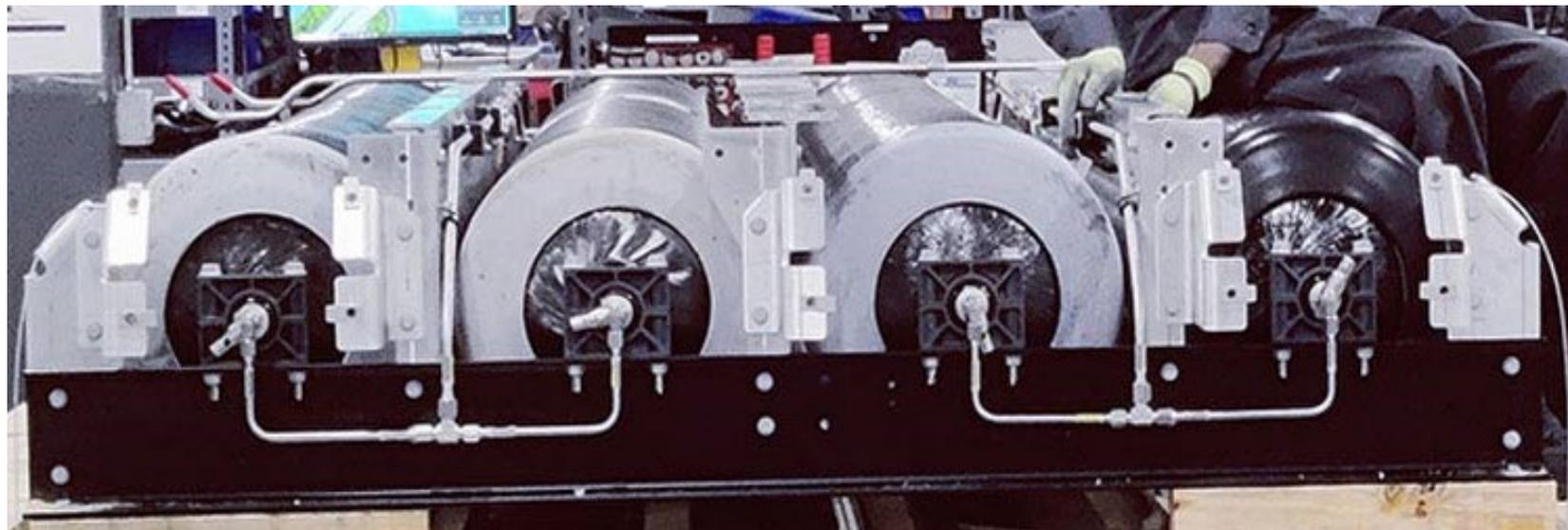


Kable Set



Hygiene Filter

# ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



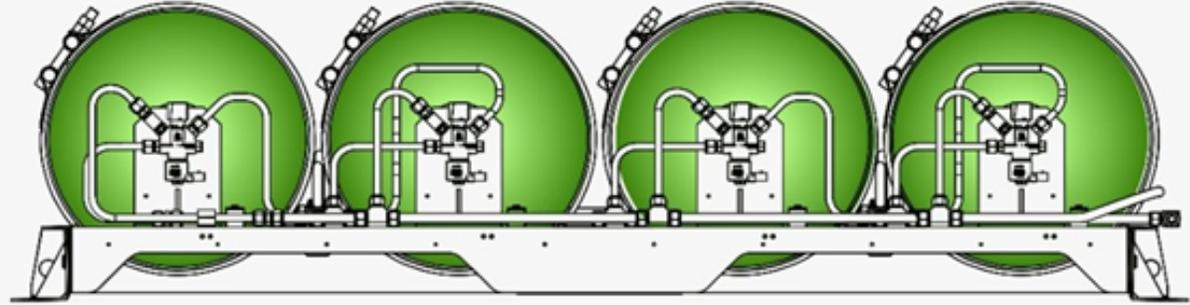
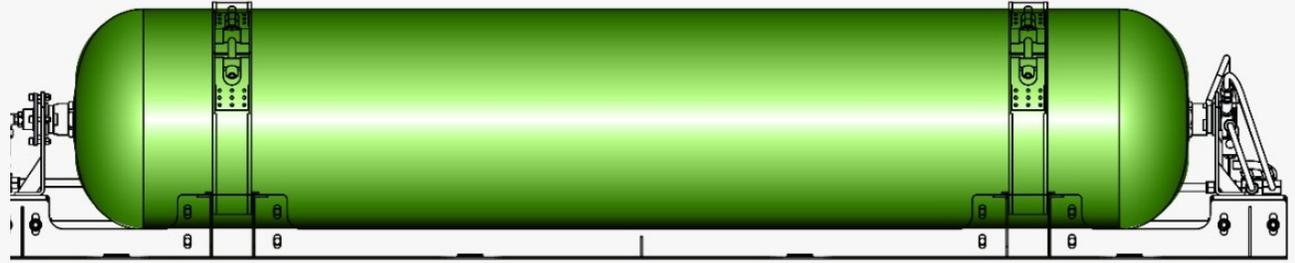
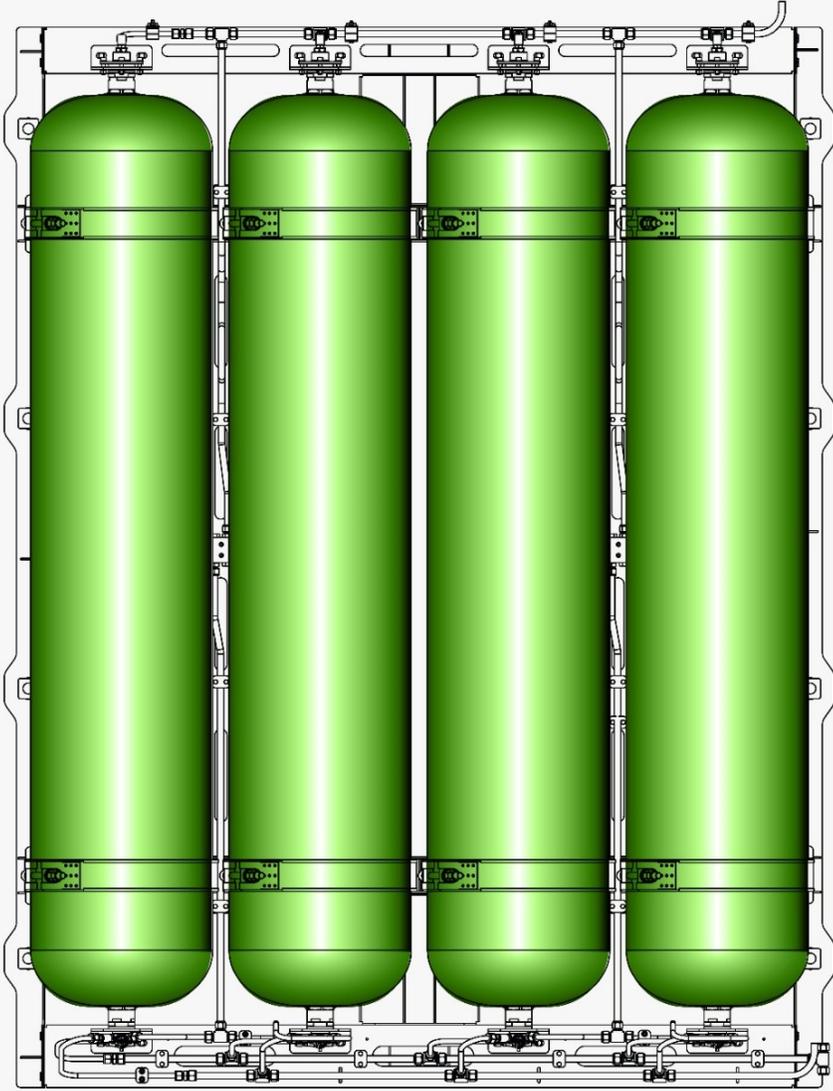
# ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



# ALTERNATIVE FUELS STORAGE AND TRANSPORTATION SYSTEMS



# ALTERNATIVE FUEL STORAGE SYSTEMS FOR BUSES



# ALTERNATIVE FUELS SUPPLY SYSTEMS



# Alternative Clean Fuels;

Environmentally friendly clean fuels that you can use as second fuel;

**CNG**

**CNG** - Compressed Natural Gas

**RNG**

**RNG** – Renewable Natural Gas

**H2**

**H2** – Hydrogen

**LNG**

**LNG** – Liquefied Natural Gas

**LPG**

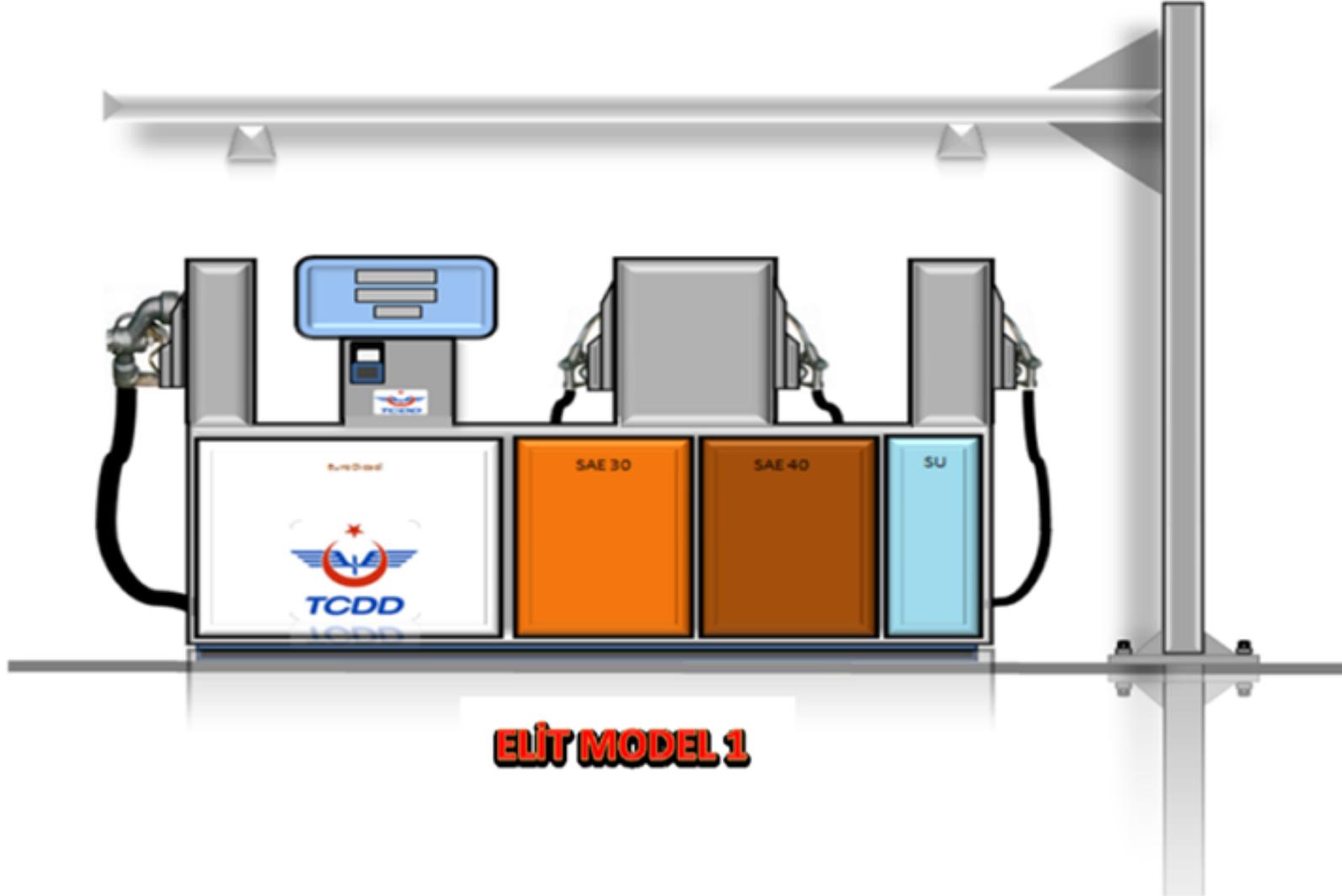
**LPG** – Liquefied Petroleum Gas



# LOCOMOTIVE FUEL SUPPLY SYSTEMS

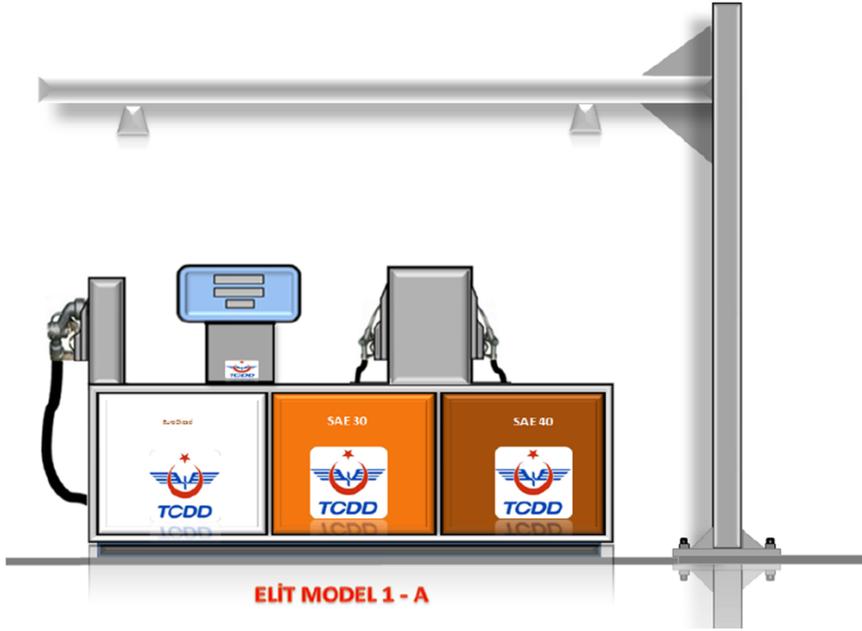


# LOCOMOTIVE FUEL SUPPLY SYSTEMS

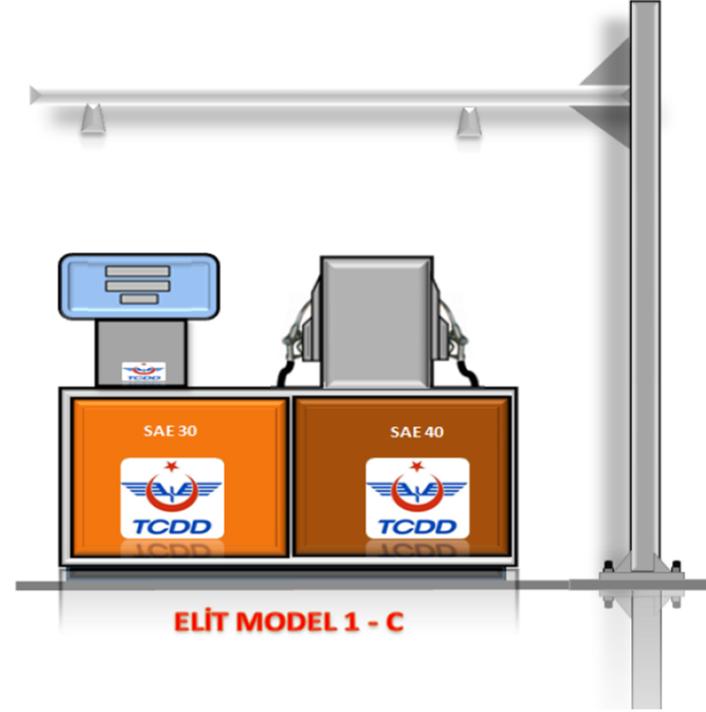


**ELİT MODEL 1**

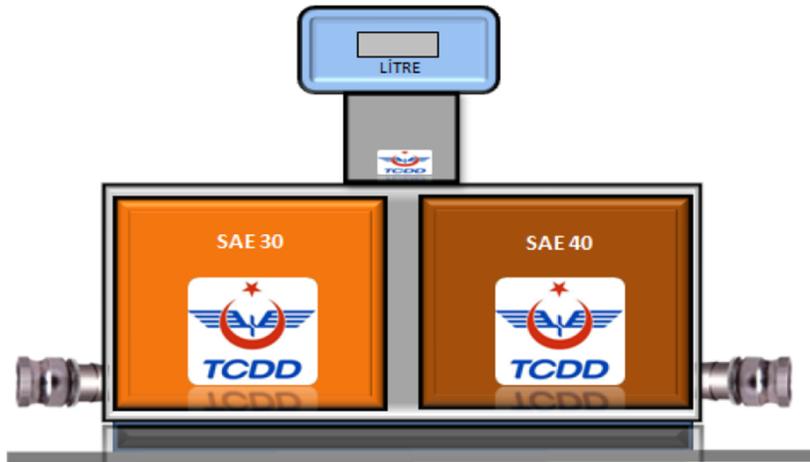
# LOCOMOTIVE FUEL SUPPLY SYSTEMS



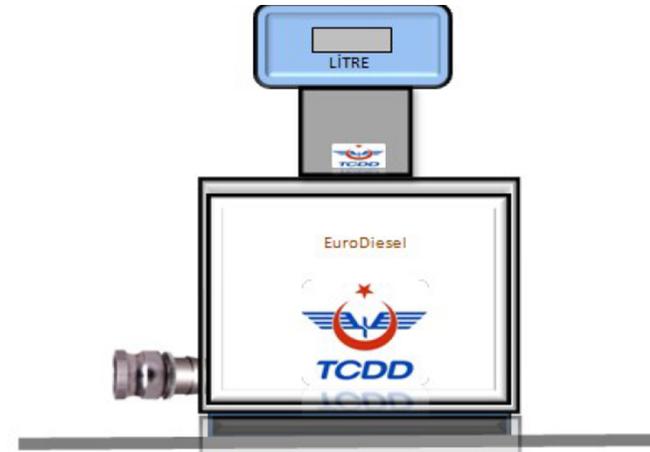
ELİT MODEL 1 - A



ELİT MODEL 1 - C



ELİT MODEL 2 - A



ELİT MODEL 2

# LOCOMOTIVE DUAL FUEL SYSTEMS



**ÇELİKARME**

ALTERNATİF YAKIT SİSTEMLERİ A.Ş.

# LOCOMOTIVE DUAL FUEL SYSTEMS



Thanks to its Parametric Software, it provides ease of use for practitioners and users. This feature also allows you to use it in all vehicles and get excellent results, regardless of the vehicle brand and model.

The screenshot displays the 'MAP and RPM' configuration screen. On the left, a list of RPM ranges is shown with corresponding gas injection times in milliseconds (ms). The central area features a 'Manifold Pressure (Bar)' graph with a scale from 0 to 3.2 and a 'Maximum Gas Time (ms)' row with values from 27 to 13. Below these are settings for 'RPM Sensor Voltage' (2.10 Volt), 'RPM Signal Negative Filter' (0.10 ms), 'RPM Signal Positive Filter' (0.10 ms), and 'RPM Signal Divisor' (116). Navigation buttons for 'General Settings', 'MAP and RPM', 'Cut-Off Settings', 'Level and EGT', and 'Trip Computer' are visible. A status bar at the bottom shows real-time data: Pressure (2,00 Bar), RPM (515), Temp (35°C), Gas (3,0 ms), and Fuel (Diesel + Gas).

RPM Range	Gas Time (ms)
500 - 750 RPM	3,0
750 - 1.000 RPM	8,0
1.000 - 1.250 RPM	13,0
1.250 - 1.500 RPM	14,0
1.500 - 1.750 RPM	15,0
1.750 - 2.000 RPM	16,0
2.000 - 2.250 RPM	17,0
2.250 - 2.500 RPM	3,0
2.500 - 2.750 RPM	3,0
2.750 - 3.000 RPM	3,0
3.000 - 3.250 RPM	3,0
3.250 - 3.500 RPM	3,0
3.500 - 3.750 RPM	3,0
3.750 - 4.000 RPM	3,0

The screenshot displays the 'General Settings' configuration screen. It includes a list of RPM ranges with gas injection times (ms) ranging from 6,0 to 20,8. The 'General Settings' panel on the right contains: 'Maximum Engine Temp' (99 °C), 'Minimum Gas Pressure' (0,8 Bar), 'Map Sensor' (Standard), 'Level Sensor' (CNG Sensor), 'Operating Range of GAS [RPM]' (100 to 2800), 'Injector Type' (Vikars 3 Ohm), 'Changeover Delay' (6 s), 'Switch to Gas Temp' (20 °C), and 'Critical Temperature' (5 °C). Navigation buttons for 'General Settings', 'RPM Settings', 'Cut-Off Settings', and 'EGT Settings' are present. The status bar at the bottom shows: Pressure (2,13 Bar), RPM (567), Temp (25°C), Gas (6,0 ms), and Fuel (Diesel + Gas).

RPM Range	Gas Time (ms)
500 - 750 RPM	6,0
750 - 1.000 RPM	8,2
1.000 - 1.250 RPM	14,2
1.250 - 1.500 RPM	19,2
1.500 - 1.750 RPM	20,4
1.750 - 2.000 RPM	20,6
2.000 - 2.250 RPM	20,8
2.250 - 2.500 RPM	20,6
2.500 - 2.750 RPM	19,8
2.750 - 3.000 RPM	6,0
3.000 - 3.250 RPM	6,0
3.250 - 3.500 RPM	6,0
3.500 - 3.750 RPM	6,0
3.750 - 4.000 RPM	6,0

# Our Other References

1. IRAQ OİL (Zakho Kuzey/IRAK)
2. Kırmızıtoprak OPET (Şanlıurfa)
3. Korkmaz Petrol (Tunceli)
4. Tiryakiler Petrol (Nizip/Gaziantep SUNPET)
5. Bali Petrol (Nurdağı / K.Maraş ALPET)
6. Dokpet (K.Maraş OPET )
7. Acarlar Petrol (Gaziantep OPET )
8. Miralay Petrol (Barajyolu/Sarıgazi BP)
9. Muto Petrol (Sultançiftliği SHELL)
10. Özkanlılar Petrol (Silivri/İSTANBUL POAŞ)
11. Ercem Petrol (Halkalı/İSTANBUL TOTAL)
12. BY Pet (Ferhatpaşa /İSTANBUL AKPET )
13. Usta Akaryakıt (İzmit AKPET )
14. Alırıza Onat (Eskişehir AKPET)
15. Optimum Petrol (Kırıkkale / AKPET )
16. Fatih petrol ( Şaşmaz/ANKARA AKPET )
17. Erken Petrol (Polatlı yolu/ANKARA AKPET)
18. Çavuş Petrol ( Şanlıurfa POAŞ )

19. avuş Kardeşler Petrol ( Aksaray SOİL )
20. Ayalp Petrol (Küçükköy / İSTANBUL SHELL)
21. Ergintan petrol (Çekmeköy/İSTANBUL AYTEMİZ PETROL)
22. Vadim Petrol (Bostancı/ İSTANBUL LUKOİL )
23. Jeopet petrol ( İzmit LUKOİL)
24. Kebir Petrol (Bursa LUKOİL )
25. Saruhanlı Petrol (Saruhanlı / MANİSA LUKOİL )
26. Hak Petrol ( Yeniçiftlik/TEKİRDAĞ TP PETROL)
27. Sel-Pet Petrol ( Çerkezköy / TEKİRDAĞ TP PETROL )
28. Reyhan Petrol ( Lüleburgaz / KIRKLARELİ TP PETROL )
29. Komşuođlu Petrol ( Malatya OPET)
30. Ateşşahinler Petrol ( Elazığ OPET )
31. Oyak Renault (Bursa )
32. Honda ( Şekerpınar / İZMİT)
33. Özcan Petrol ( Seymen / M.Eređlisi/İSTANBUL OPET )
34. Karagöl Petrol (M.Kemalpaşa / BURSA OPET )
35. Tunman Petrol (Karacabey /BURSA BP )
36. Kuranlar Petrol (Bere/BAYRAMPAŞA/İSTANBUL AKPET)

37. Arguvan Petrol (Edremit/Akçay/BALIKESİR TP PETROL )
38. Hacı Bađana ( Aktoprak /GAZİANTEP BAL PET )
39. Dudullu Petrol ( Dudullu OPET )
40. Bereketli Halk Petrol (Atıřalanı/İSTANBUL BP )
41. Mirada Del Mar Hotel (Antalya / OTEL )
42. Akpet Depo ( Dolayoba/İSTANBUL AKPET DEPO )
43. Dolayoba Petrol ( Dolayoba/İSTANBUL AKPET )
44. řafak Petrol (řiřli/İSTANBUL LUKOİL )
45. İstiklal Akaryakıt (Ümraniye/İSTANBUL BP)
46. Demirciođlu Petrol (Barajyolu/Sarıgazi/İSTANBUL BP )
47. Çavuş Kardeřler Petrol (Aksaray 2 / SOİL )
48. Bereketli Halk petrol (Atıřalanı, İstanbul Fuel installation and canopy revision works)
49. İltekno Çankırı (Electricity production facility from solid waste, Cogenerator container manufacturing, installation and commissioning works)
50. İltekno Gaziantep (Electricity production facility from solid waste, Cogenerator container manufacturing, installation and commissioning works)
51. Star Off Bosphorus (Tepeören, Istanbul data Center fuel oil and underground tank facility works)
52. Vega Lojistik (Orhanlı Istanbul Fuel tank facility and underground installation works)
53. BMC (Izmir Truck/Bus/Armored vehicle factory fuel/lubricant/antifreeze supply system and automation system.)
54. Mutlu Akü (Tepeören, Istanbul Plastic factory steel construction and mechanical installation system.)

55. Server Boya (Dilovası Akzo Nobel food coloring facility, mechanical piping, tank facility and pneumatic control systems)
56. Safranbolu Karayolları İkmal tesisi (Fuel oil tank facility and underground fuel systems application works)
57. Geosolution (Gori/Tbilisi Paper Mill steel construction works)
58. TIGEM (Şanlıurfa, Afyon, Konya, Eskişehir, Bursa Karacabey Biogas Cogenerator electricity production facilities audit and reporting works)
59. TCDD (Revision of Locomotive Supply Stations, fuel supply facilities throughout Turkey, Tank facility, Fuel infrastructure facility, Automation Systems facility, Locomotive Tracking Systems Automation works)
60. Sar peyzaj (Balıkesir /Edremit / Güre fuel station infrastructure, canopy, tank facility, electricity and field covering works)
61. EKOL Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
62. ALIŞAN Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
63. REYSAŞ Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)
64. HAVİ Lojistik (CNG+Diesel Dual fuel system conversion project implementation and project management of tractors in the TIR fleet)



*Thank you for your trust and cooperation for 30 years...*

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