



TÜRKİYE CUMHURİYETİ
TİCARET BAKANLIĞI

GÜNEY AFRİKA CUMHURİYETİ

Pretoria Ticaret Müşavirliği

İlker Eralp & Bengü Okur Erdoğan

29 Ağustos 2023



T.C. TİCARET
BAKANLIĞI

Nüfus:

- 60,6 milyon (2022-StatsSA)
- %80,2 Siyahi Afrika kökenli;
- % 8,8 Melez (Coloured);
- % 8,4 Beyaz (Afrikaner);
- %2,5 Hint/Asya kökenli

Dil:

(12) İngilizce, Afrikaans, Zulu, Spedi, İşaret Dili ..
Milli Marş (5 farklı dil)

9 Eyalet:

Guateng (%24), Kwazulu-Natal (%20), Limpopo,
Mpumalanga, Norht-West, Free State, Nothern
Cape, Eastern Cape (%12), Western Cape (%11)

Başkentler:

- Pretoria (yürütme),
- Cape Town (yasama),
- Bloemfontein (yargı)

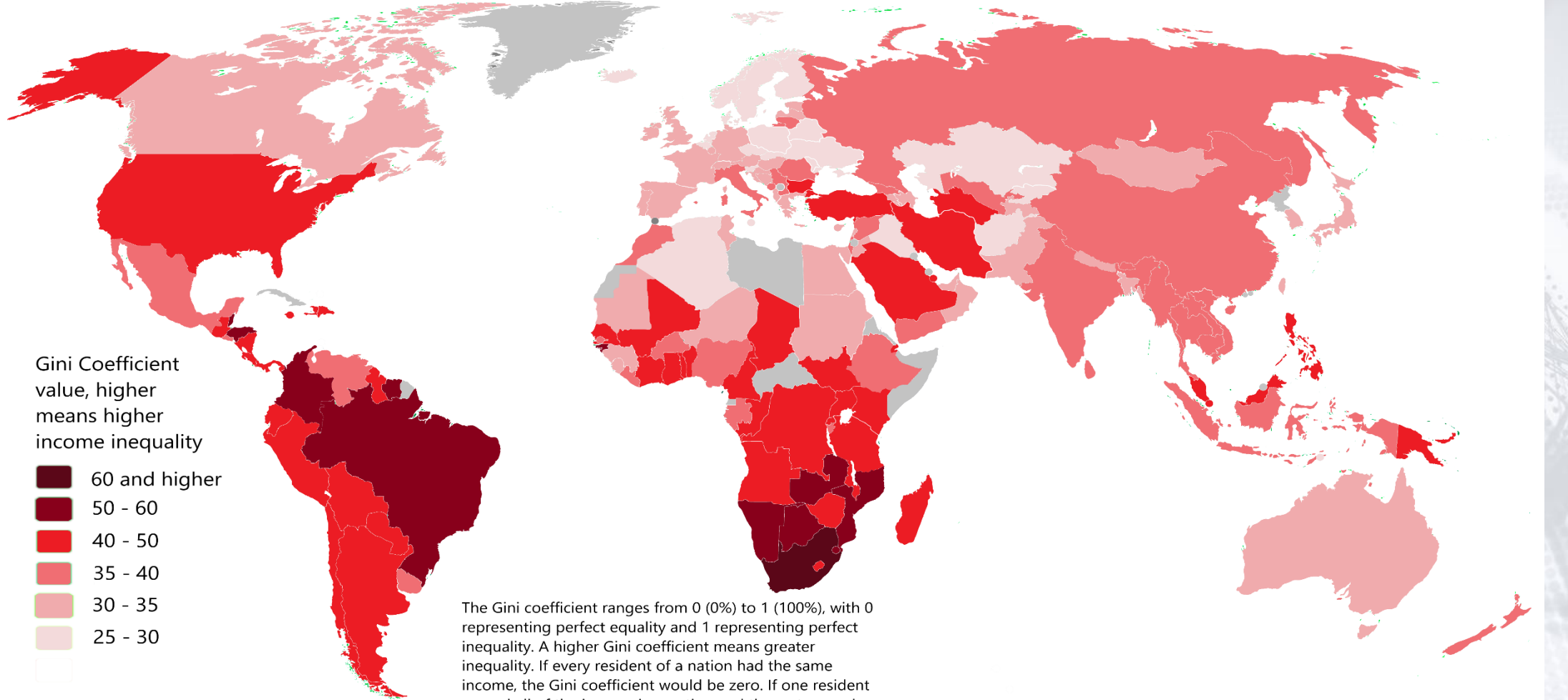
Önemli Ticari Merkezler:

- Johannesburg, Durban, Cape Town
(Başkosolosluk), Port Elizabeth, Pretoria (BE,
Ticaret Müşavirliği)





Güney Afrika Cumhuriyeti – Gini Katsayısı



The Gini coefficient ranges from 0 (0%) to 1 (100%), with 0 representing perfect equality and 1 representing perfect inequality. A higher Gini coefficient means greater inequality. If every resident of a nation had the same income, the Gini coefficient would be zero. If one resident earned all of the income in a nation and the rest earned zero, the Gini coefficient would be 1.



Temel Ekonomik Göstergeler (2022)

GSYİH (Nominmal) (2022-IMF)	405 milyar \$ /W 31./AF 2. /NIJ.
KİŞİ BAŞINA GSYİH (2022-IMF)	6,694 \$; 13.200 \$ (SAGP-2022)
GSYİH BÜYÜME HIZI (Reel-IMF)	2022: %2, 2021: %5 2023 Tahmin (%0,5-1), (2024: 0,7; 2025: %1
İHRACAT (2022)	123,3 milyar \$ (2021 123,8 milyar \$)
İTHALAT (2022)	111,3 milyar \$ (2022 93,5 milyar \$)
Dış Ticaret Dengesi (2022)	+ 12 milyar \$ (2022 + 30,3 milyar \$)
Cari İşlemler Dengesi/ GSYH (%)	% 0,5 (2022 - % 3,7)

Temel Ekonomik Göstergeler (2022)

İŞSİZLİK ORANI
(2023 2. çeyrek)

%32,6 (2022 %34,5; 2021 %35,3)
(Genişletilmiş tanımla %41,1; Genç işsizlik %59,6)

ENFLASYON ORANI
(2023 Temmuz)

%4,7

Asgari Ücret

2023: 25.5 Rand

Döviz Kuru (29 Eylül 2023)

Rand/TL – 1,42
USD/Rand – 18,73

DÜNYA BANKASI İŞ YAPMA KOLAYLIĞI
SIRALAMASI (2020)

84/190 (TR-33)

BAŞLICA SANAYİ DALLARI

**Madencilik (Dünyanın en büyük platin, altın ve krom üreticisi),
motorlu taşıt üretimi ve montajı, makine-teçhizat, çelik ve demir-dışı metaller,
gemi bakım-onarımı, kimyasallar, gübre ve işlenmiş gıda**



Durum Tespiti

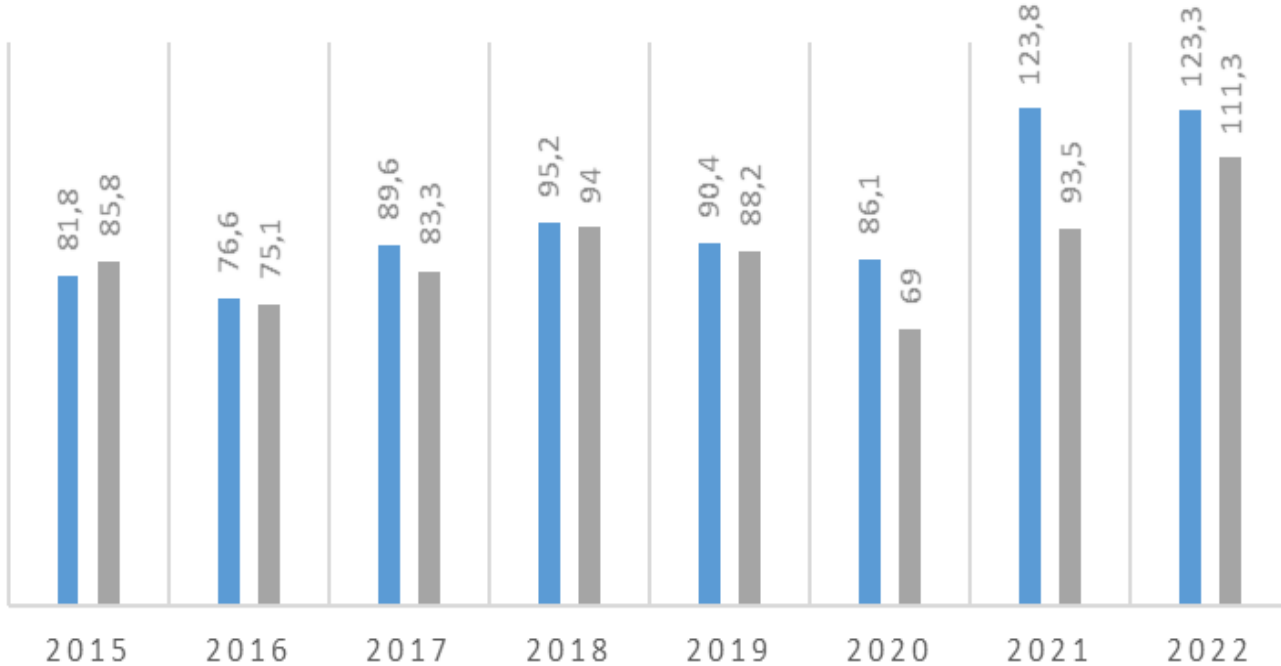
- Sahra-altı Afrika'nın en gelişmiş ve ekonomisini en fazla çeşitlendirmiş ülkesi
- Güçlü ve rekabetçi finans sistemi, gelişmiş ulaştırma ve iletişim altyapısı, güçlü hukuki yapı ve demokratik sistem
- Doğal kaynaklar ekonomisi – Emtia fiyatlarına karşı duyarlılık
- Tarihsel olarak düşük büyüme performansı;
- Temel Sorunlar;
 - Verimsiz KİT'ler,
 - Güvenlik,
 - Elektrik kesintileri,
 - Yüksek işsizlik,
 - Yaygın grevler
 - Altyapı Sorunları



Dış Ticaret (2022) – Ürün Grupları

GAC İKİLİ TİCARET

■ İhracat ■ İthalat



BAŞLICA İHRAÇ ÜRÜNLERİ (2022)

PLATİNUM, PALADYUM, RODYUM, KÖMÜR, MANGAL KÖMÜRÜ, DEMİR, CEVHERİ, ALTIN, DİĞER KIYMETLİ METAL VE TAŞLAR, MANGANEZ, FERRO-KROM, KROM, ALUMİNYUM GİBİ MADEN CEVHERLERİ, MOTORLU KARAYOLU TAŞITLARI, MİNERAL YAKIT VE YAĞLAR, ELMAS, ŞARAP
TARIM: NARENCİYE, MISIR, ÜZÜM

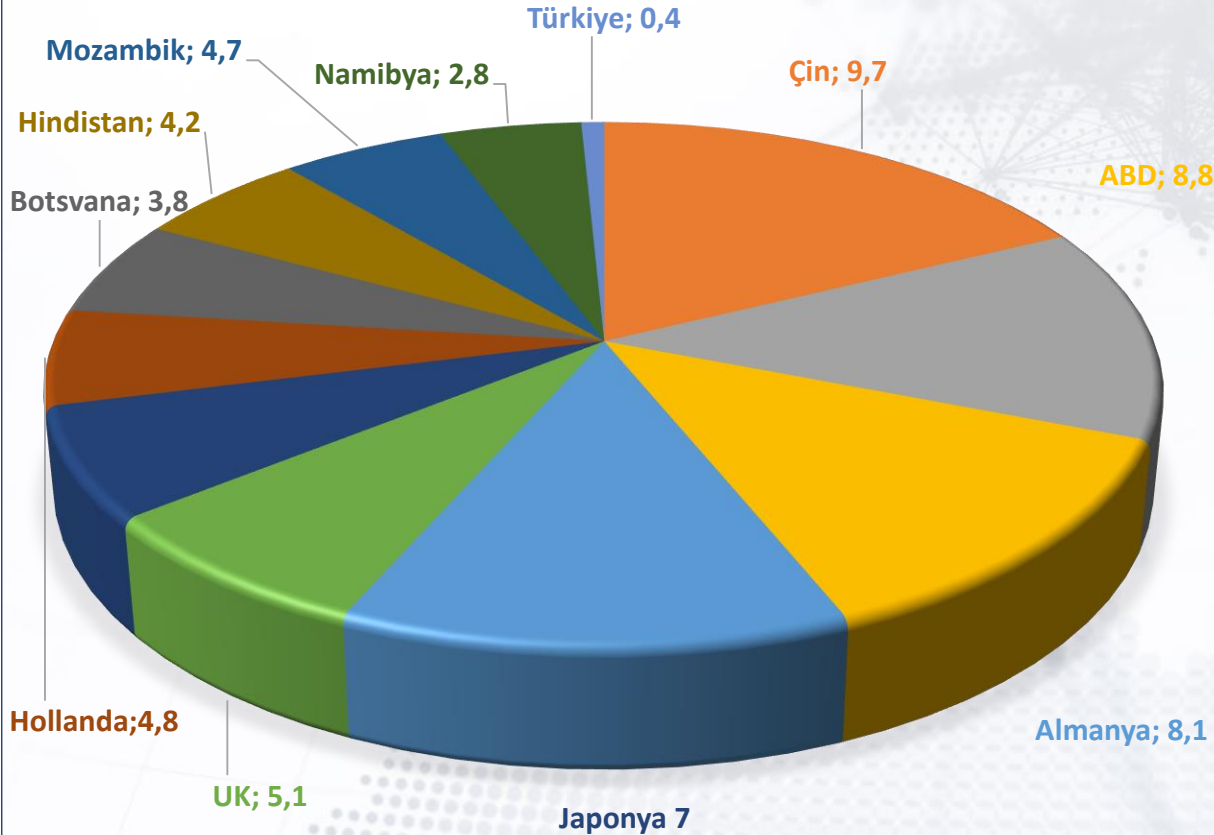
BAŞLICA İTHAL ÜRÜNLERİ (2022)

PETROL ÜRÜNLERİ, MİNERAL YAKIT VE YAĞLAR, MAKİNE VE AKSAMLARI, CEP TELEFONLARI VE BİLGİSAYARLAR, MOTORLU KARAYOLU TAŞITLARI VE PARÇALARI, ÜRE, TRAKTÖRLER VE PARÇALARI, PİRİNÇ, BUĞDAY, PALMIYE YAĞI, TEKSTİL ÜRÜNLERİ, İLAÇ-ECZACILIK ÜRÜNLERİ,

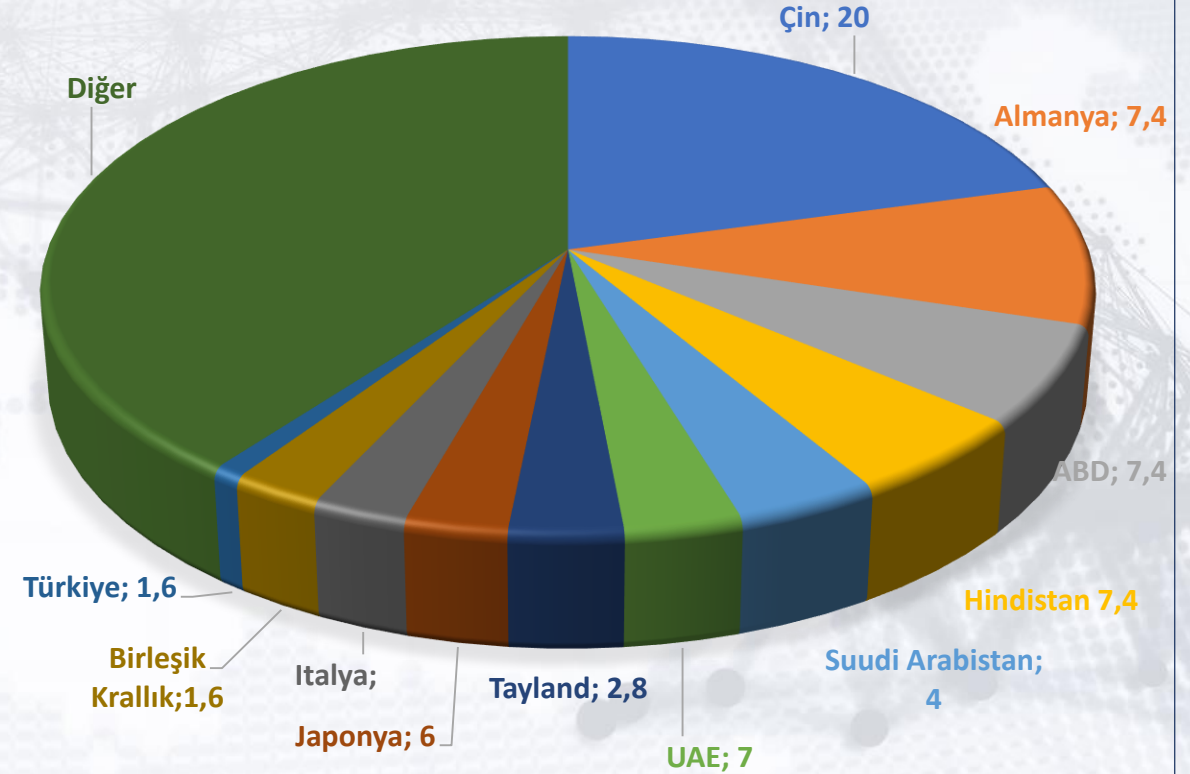


Dış Ticaret (2022) - Paydaşlar

GAC ANA İHRACAT PAZARLARI 2022, % PAY



GAC ANA TEDARİKÇİLERİ, 2022, % PAY

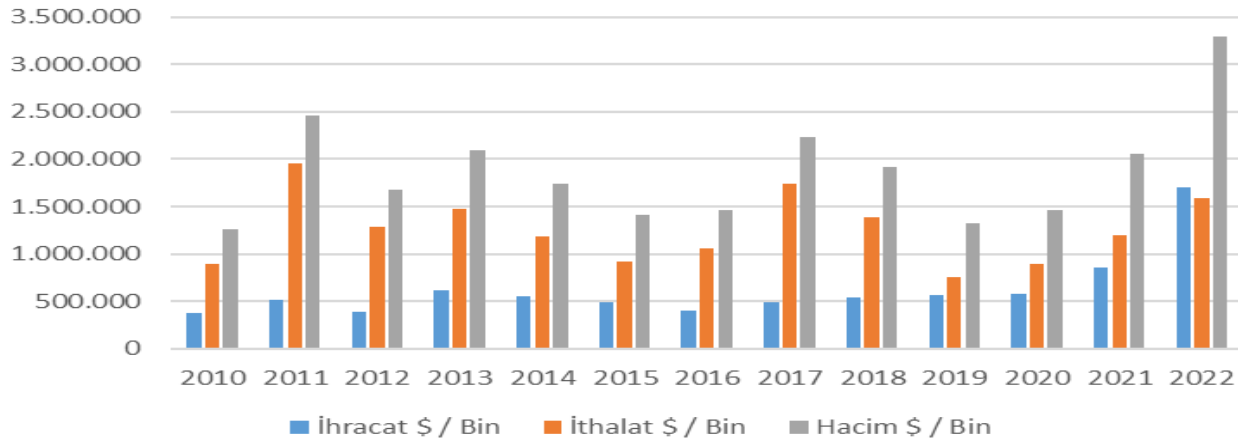




TR-GAC İkili Ticari İlişkiler

Yıl	İhracat \$ / Bin	İhracat Değişim %	Genel İhracata Oranı %	İthalat \$ / Bin	İthalat Değişim %	Genel İthalata Oranı %	Hacim \$ / Bin	Denge \$ / Bin
2011	510.523	38,3	0,38	1.954.586	119,7	0,81	2.465.109	-1.444.063
2012	381.772	-25,2	0,25	1.289.821	-34,0	0,55	1.671.593	-908.049
2013	619.718	62,3	0,41	1.479.338	14,7	0,59	2.099.056	-859.621
2014	545.232	-12,0	0,35	1.189.352	-19,6	0,49	1.734.584	-644.120
2015	489.162	-10,3	0,34	918.541	-22,8	0,44	1.407.703	-429.379
2016	405.943	-17,0	0,28	1.058.114	15,2	0,53	1.464.057	-652.170
2017	485.070	19,5	0,31	1.744.438	64,9	0,75	2.229.508	-1.259.368
2018	534.231	10,1	0,32	1.381.537	-20,8	0,62	1.915.767	-847.306
2019	569.560	6,6	0,31	754.214	-45,4	0,36	1.323.774	-184.654
2020	574.029	0,8	0,34	887.896	17,7	0,40	1.461.925	-313.867
2021	861.263	50,0	0,38	1.192.742	34,3	0,44	2.054.004	-331.479
2022	1.706.159	98,1	0,67	1.585.297	32,9	0,44	3.291.456	120.862

GAC-TR İkili Ticaret



BAŞLICA İHRAÇ ÜRÜNLERİ (2022)

Mineral yakıt ve yağlar, motorlu kara taşıtları, çamaşır, bulaşık ve kurutma makinaları, traktör ve traktör parçaları, tekstil ürünleri, demir-çelik ürünleri, kako içeren ve içermeyen şekerlemeler, kauçuk (oto lastikleri), plastikler, elektrikli su ısıtıcıları, halılar, bakır teller, makineler ve aksamı

BAŞLICA İTHAL ÜRÜNLERİ (2022)

Altın, taşkömürü, santrifüjler, motorlu taşıtlar, demir, krom vb. maden cevherleri, alüminyum, demir-çelik ürünleri, motorlu taşıtlar, lazerler, sakatat ve kabuklu deniz hayvanı, balık unu/yemi



T.C. TİCARET
BAKANLIĞI

TR-GAC İkili Ticari İlişkiler - Şirketlerimiz

Türk Şirketleri

- DEFY
- ASELSAN
- THY
- AKSA
- SAMPA

Sektörler

- Otomotive yedek parça
- Tekstil, hazır giyim
- Restaurant
- Turizm
- Kuru gıda, şekerleme
- Mobilya
- Halı, ev tekstili
- Plastik
- Kablo

Diğer

60-70 Türk Şirketi



A STAR ALLIANCE MEMBER



Yatırımlar (2002 – 2022)

- TR'nin GAC'taki yatırımları :
31 Milyon USD
- GAC'nin TR'deki Yatırımları:
270 Milyon USD

aselsan



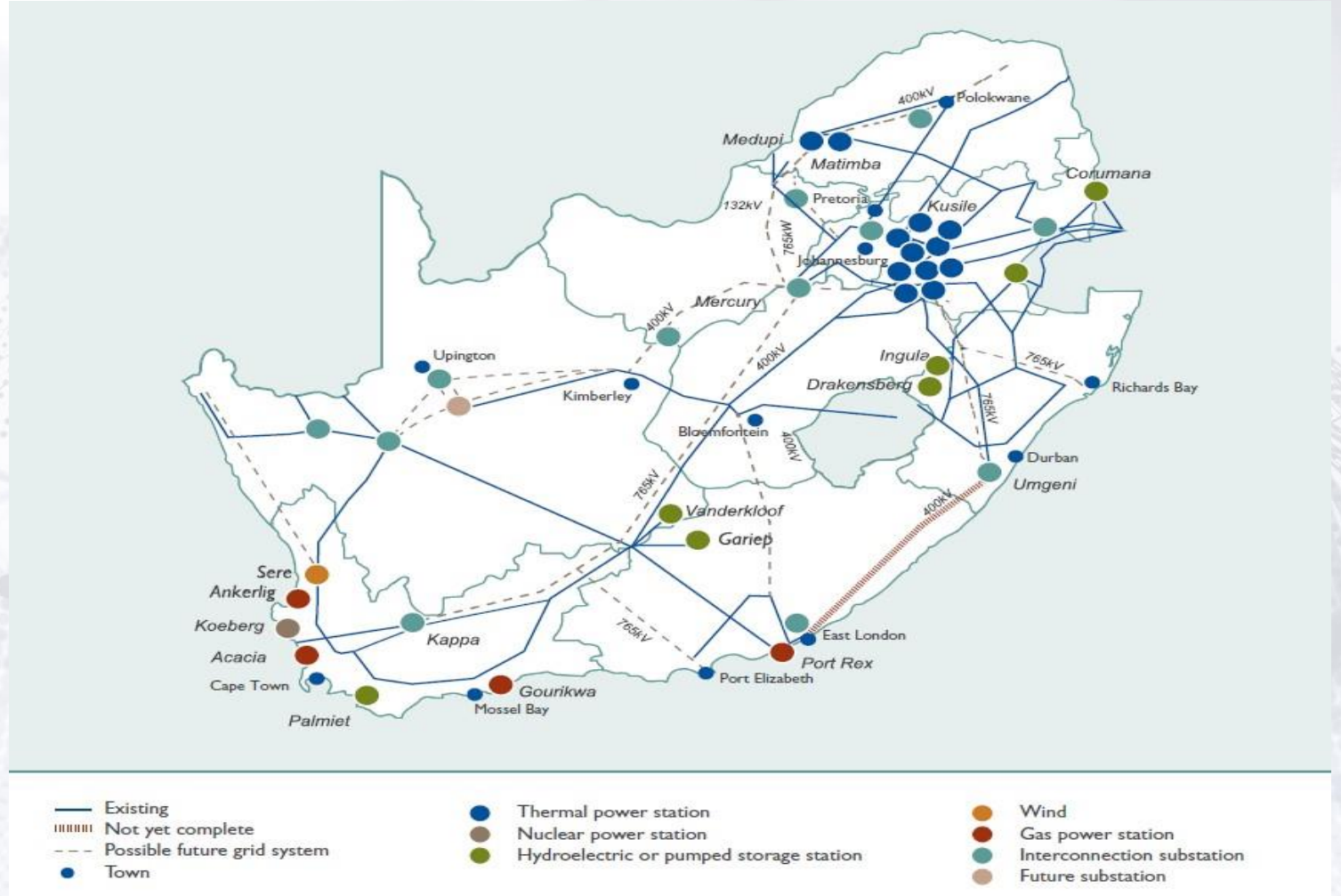


Enerji Sektörü – Yenilenebilir Enerji

İdari Otoriteler

- Ministry of Mineral Resources and Energy
- Ministry of Electricity
- ESCOM (Generation, Transmission, Distribution)

- Kurulu Güç 58.000-62.000 MW
- Talep 32.000, üretim 26.000
- 4000-6000 MW arası günlük ihtiyaç
- Kurulu kapasitenin % 60'ı kullanılabiliriyor,
- 15 Kömür santrali, Elektrik üretiminin %80-85'i kömür
- Santraller ortalama 40 yıllık,
- Nuclear Enerji (Koeberg/1980 – 2024)
- Kusile Dünya'nın en büyük 4. kömür santrali – 4800 MW
- Current Access Rate Urban: 95%, Rural: 92%





Enerji Sektörü – Yenilenebilir Enerji

Kurulu Kapasite 58-62 GW (2022)

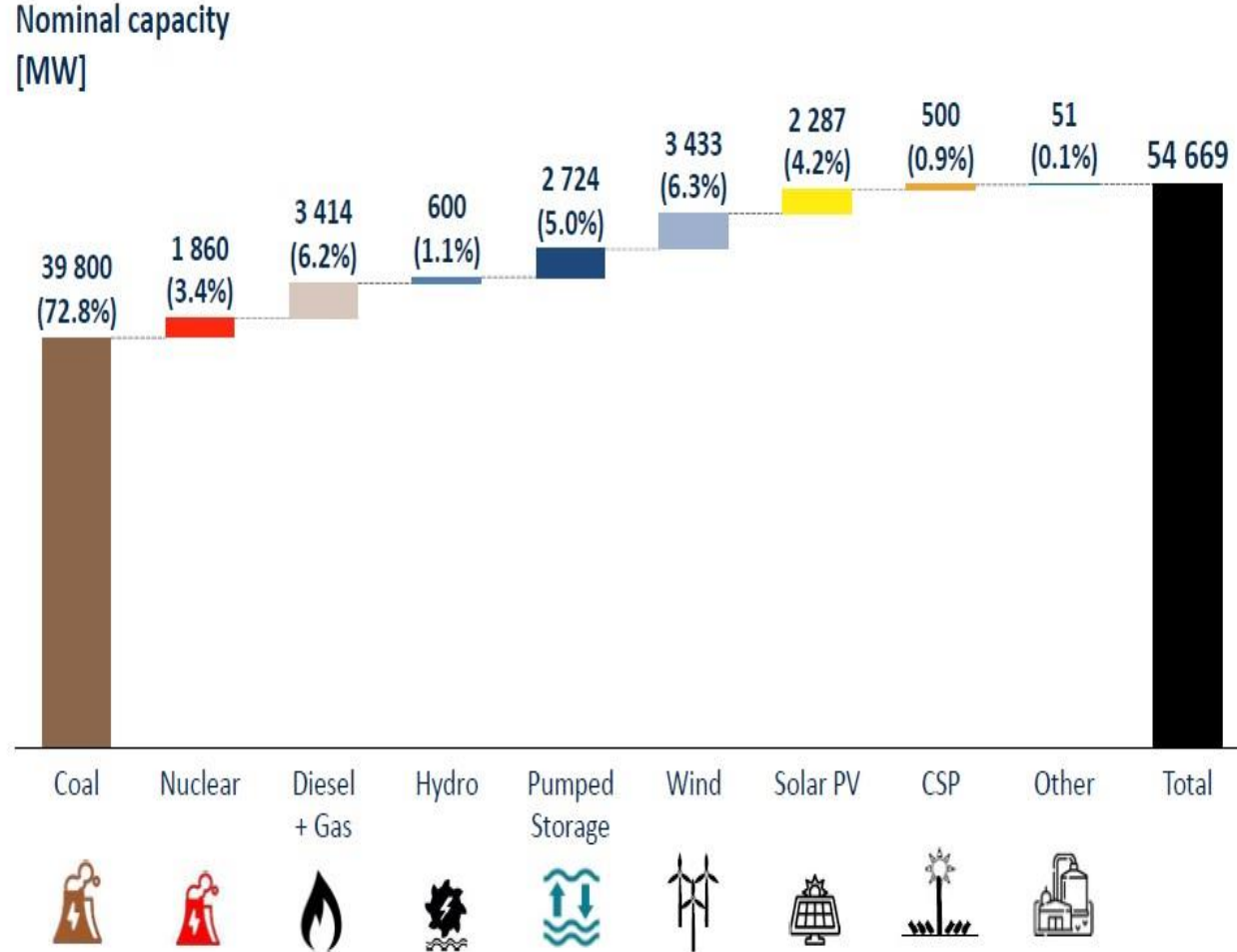
- Coal 39.8 GW
- Nuclear 1.9 GW
- Diesel(OCGT) 3.4 GW
- Hydro 3,4 GW
- Wind 3.4 GW
- Solar PV 2.3 GW

- Pay %
- Coal 80.1%
- Nuclear 4.6%
- Renewable energy 13.7%
- Renewable energy 7.3% (Excluding hydro)
- Diesel 1.6%

•2022, the total renewable energy capacity 10,445 MW, (1,52 % artış, 2021)

Hedef;

- 26.030 MW solar and wind, 2030 Just Energy Transition Programme, Zero Carbon, 2050





Enerji Sektörü – Yenilenebilir Enerji

Annual energy produced
[TWh]



Notes: Wind includes Eskom's Sere wind farm (100 MW). CSP energy measured from date when more than two CSP plant were commissioned.
Wind and solar PV energy excludes curtailment and is thus lower than actual wind and solar PV generation
Sources: Eskom; DoE IPP Office



CSIR
Touching lives through Innovation



Enerji Sektörü – Yenilenebilir Enerji

Upper limit of cumulative loadshedding annually Jan 2014 – Dec 2022

Load shed, upper-limit [GWh]



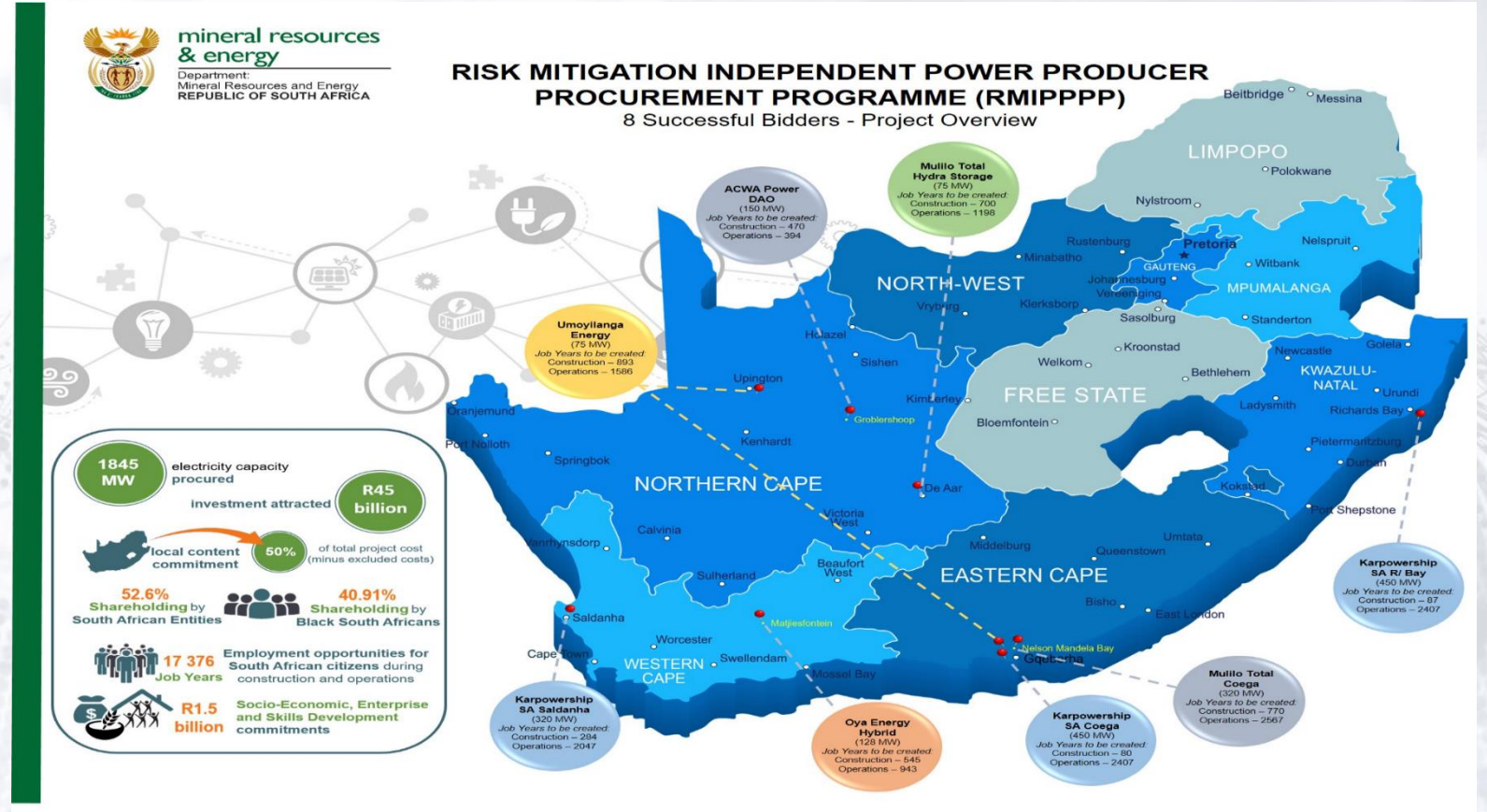
Notes: Loadshedding assumed to have taken place for the full hours in which it was implemented. Practically, load shedding (and the Stage) may occasionally change/ end during a particular hour; Total GWh calculated assuming Stage 1 = 1 000 MW, Stage 2 = 2 000 MW, Stage 3 = 3 000 MW, Stage 4 = 4 000 MW, Stage 5 = 5 000 MW, Stage 6 = 6 000 MW; Sources: Eskom Twitter account; Eskom Hld SOC Ltd FaceBook page; Eskom se Push (mobile app); Nersa; CSIR analysis



Yenilenebilir Enerji - Independent Power Producers (IPP) Programs

1- Risk Mitigation Independent Power Producer Procurement Programme (RMIPPPP) - 2020

- Kısa dönemde acil elektrik ihtiyacını hızlı bir şekilde karşılamak, 2.000 MW
- 20 Yıla kadar satın alma opsiyonu,
- Projeler 50MW ve 450MW arasında,
- Dispatchable and Non-Dispatchable facilities, flexible generation
- Karpowership 3 proje, %66'sı, 2021
- Coega 450 MW, Richards Bay 450 MW, Saldanha Bay 320 MW





Yenilenebilir Enerji - Independent Power Producers (IPP) Programs

2- The Renewable Energy IPP Procurement Programme (REIPPPP - BW 5) – 2021

- 2.600MW in total – 2021
- 1.600 MW onshore wind, 1.000 MW Solar PV,
- 1608 MW 12 Wind projects, and 975 MW from 13 Solar PV projects (Each 75 MW)
- 24 Ay süre

3- The Renewable Energy IPP Procurement Programme (REIPPPP - BW 6) – 2022

- 5.200MW in total – 2022
- 3.200 MW wind, 2.000 MW Solar PV,

4- Battery Energy Storage Capacity IPP Program (BESIPPPP) – 2023

- 513 MW - 2023
- 1230 MW – 2023 -2024

5- The Renewable Energy IPP Procurement Programme (REIPPPP - BW 7-8) – 2023-2024,

- 5.000 + 5.000, 10.0000 MW in total

6- Gas to Power – 2023 – 2024

- 3.000 MW in total

7- Nuclear – 2023 – 2024

- 2.500 MW in total



Yenilenebilir Enerji – İhracat/İthalat

Figure 7: South Africa's import of lithium-ion cells & batteries (in US\$ millions)



Source for Figures 5, 6 and 7: Montmasson-Clair, based on data from TradeMap and Quantec

Yenilenebilir Enerji - İhracat/İthalat

Product: 8507 Electric accumulators, incl. separators therefor, whether or not square or
Unit : US Dollar thousand

Product code	Product label	Türkiye's exports to South Africa			South Africa's imports from world			Türkiye's exports to world		
		Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022
'850710	Lead-acid accumulators of a kind used for starting piston engine "starter batteries" (excl. ...	4.137	6.737	8.255	80.841	76.169	81.973	282.823	416.895	455.647
'850720	Lead acid accumulators (excl. spent and starter batteries)	106	42	181	74.978	76.534	119.898	20.907	33.846	44.067
'850790	Plates, separators and other parts of electric accumulators, n.e.s.	947	812	87	7.262	10.549	13.592	40.210	41.570	38.496
'850780	Electric accumulators (excl. spent, and lead-acid, nickel-cadmium, nickel-metal hydride and ...	0	4	33	12.665	16.659	20.321	9.346	13.447	12.433
'850760	Lithium-ion accumulators (excl. spent)	3	8	6	171.824	203.611	761.490	3.788	9.970	16.973
'850730	Nickel-cadmium accumulators (excl. spent)	0	15	0	3.979	5.195	4.624	2.120	3.071	3.615
'850750	Nickel-metal hydride accumulators (excl. spent)	0	0	0	2.403	2.055	1.681	143	205	197
'850740	Nickel-iron accumulators (excluding spent)	0	0	0	73	122	0	2	3	0

Yenilenebilir Enerji - İhracat/İthalat

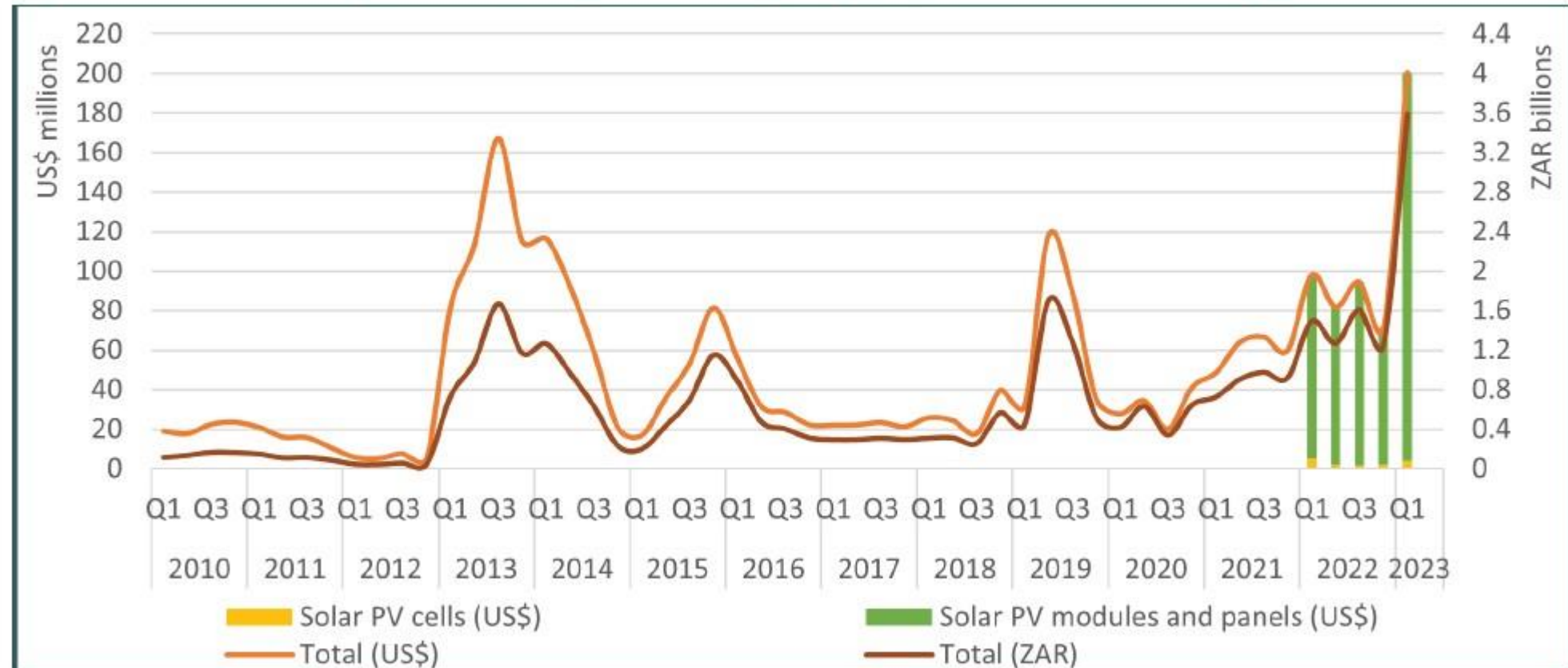
Product: 8507 Electric accumulators, incl. separators therefor, whether or not square or
Unit : US Dollar thousand

Product code	Product label	China's exports to South Africa			South Africa's imports from world			China's exports to world		
		Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022
'850760	Lithium-ion accumulators (excl. spent)	130.749	199.602	659.431	171.824	203.611	761.490	15.939.355	28.428.742	50.918.730
'850720	Lead acid accumulators (excl. spent and starter batteries)	50.004	55.602	84.922	74.978	76.534	119.898	2.334.663	2.699.392	2.940.191
'850710	Lead-acid accumulators of a kind used for starting piston engine "starter batteries" (excl. ...)	10.504	15.897	15.565	80.841	76.169	81.973	724.045	876.508	962.653
'850750	Nickel-metal hydride accumulators (excl. spent)	291	407	12.892	2.403	2.055	1.681	409.949	454.826	552.340
'850790	Plates, separators and other parts of electric accumulators, n.e.s.	321	860	5.423	7.262	10.549	13.592	619.970	973.002	1.702.014
'850780	Electric accumulators (excl. spent, and lead-acid, nickel-cadmium, nickel-metal hydride and ...)	509	199	3.198	12.665	16.659	20.321	22.251	50.354	90.959
'850730	Nickel-cadmium accumulators (excl. spent)	518	486	326	3.979	5.195	4.624	66.191	80.557	61.099
'850740	Nickel-iron accumulators (excluding spent)	368	258	0	73	122	0	42.656	55.086	0



Yenilenebilir Enerji - İhracat/İthalat

Figure 5: South Africa's imports of solar cells, modules & panels (in US\$ millions and ZAR billions)



Yenilenebilir Enerji - İhracat/İthalat

Product: 8541 Semiconductor devices "e.g. diodes, transistors, semiconductor-based transducers";
Unit : US Dollar thousand

Product code	Product label	Türkiye's exports to South Africa					South Africa's imports from world					Türkiye's exports to world				
		Value in 2018	Value in 2019	Value in 2020	Value in 2021	Value in 2022	Value in 2018	Value in 2019	Value in 2020	Value in 2021	Value in 2022	Value in 2018	Value in 2019	Value in 2020	Value in 2021	Value in 2022
'854121	Transistors with a dissipation rate < 1 W (excl. photosensitive transistors)	0	0	0	0	0	1.469	1.275	759	1.362	1.656	110	182	31	107	269
'854110	Diodes (excl. photosensitive or light emitting diodes "LED")	0	0	0	0	0	12.184	6.779	5.830	8.232	10.618	713	850	307	1.218	3.108
'854140	Photosensitive semiconductor devices, incl. photovoltaic cells whether or not assembled in ...	2	2	0	13	0	152.284	320.448	192.277	279.620	0	19.808	172.549	167.211	127.151	0
'854143	Photovoltaic cells assembled in modules or made up into panels	0	0	0	0	0	0	0	0	0	333.894	0	0	0	0	236.475
'854150	Semiconductor devices, n.e.s.	0	0	0	0	0	1.118	718	717	1.301	0	313	915	714	792	0
'854190	Parts of diodes, transistors and similar semiconductor devices; photosensitive semiconductor ...	0	0	0	0	0	2.225	1.730	2.001	3.253	4.042	574	643	608	580	581
'854130	Thyristors, diacs and triacs (excl. photosensitive semiconductor devices)	0	0	0	0	0	2.173	2.174	1.560	1.446	1.786	420	465	299	720	1.078
'854159	Semiconductor devices, n.e.s.	0	0	0	0	0	0	0	0	0	1.201	0	0	0	0	807
'854142	Photovoltaic cells not assembled in modules or made up into panels	0	0	0	0	0	0	0	0	0	10.855	0	0	0	0	3.047
'854160	Mounted piezo-electric crystals	0	0	0	0	0	2.770	2.251	2.051	3.094	3.477	2.238	1.658	1.685	2.014	4.353
'854151	Semiconductor-based transducers (excl. photosensitive)	0	0	0	0	0	0	0	0	0	832	0	0	0	0	37
'854149	Photosensitive semiconductor devices (excl. photovoltaic generators and cells)	0	0	0	0	1	0	0	0	0	29.957	0	0	0	0	2.374
'854141	Light emitting diodes "LED"	0	0	0	0	1	0	0	0	0	24.166	0	0	0	0	11.434
'854129	Transistors with a dissipation rate >= 1 W (excl. photosensitive transistors)	0	0	1	3	3	6.734	5.129	3.930	6.228	8.379	427	1.580	374	1.749	2.813

Yenilenebilir Enerji - İhracat/İthalat

8541 Semiconductor devices "e.g. diodes, transistors, semiconductor-based transducers"; photosensitive ...

Unit : US Dollar thousand

Code	Product label	Imported value in 2022-M06	Imported value in 2022-M07	Imported value in 2022-M08	Imported value in 2022-M09	Imported value in 2022-M10	Imported value in 2022-M11	Imported value in 2022-M12	Imported value in 2023-M01	Imported value in 2023-M02	Imported value in 2023-M03	Imported value in 2023-M04	Imported value in 2023-M05
'854143	Photovoltaic cells assembled in modules or made up into panels	30.118	22.314	36.050	34.446	17.028	19.626	32.335	42.607	45.621	107.796	106.098	169.665
'854149	Photosensitive semiconductor devices (excl. photovoltaic generators and cells)	2.465	2.940	2.751	4.620	2.430	1.913	915	1.645	1.243	5.262	3.652	4.477
'854141	Light emitting diodes "LED"	2.233	2.052	2.282	2.463	1.770	1.616	1.022	2.274	1.937	3.825	4.837	4.421
'854142	Photovoltaic cells not assembled in modules or made up into panels	1.315	339	1.022	257	250	240	1.698	483	11	3.541	3.030	1.536
'854110	Diodes (excl. photosensitive or light emitting diodes "LED")	1.421	912	1.275	619	700	921	419	1.152	1.006	1.004	2.010	1.328
'854129	Transistors with a dissipation rate \geq 1 W (excl. photosensitive transistors)	1.421	696	800	592	498	587	533	506	416	655	779	967
'854190	Parts of diodes, transistors and similar semiconductor devices; photosensitive semiconductor ...	341	400	153	198	268	176	310	410	697	413	442	476
'854160	Mounted piezo-electric crystals	396	340	308	213	237	242	270	379	243	204	152	243
'854121	Transistors with a dissipation rate $<$ 1 W (excl. photosensitive transistors)	168	125	190	160	126	170	88	142	131	160	130	133
'854159	Semiconductor devices, n.e.s.	132	128	46	151	99	119	9	145	55	266	127	99
'854130	Thyristors, diacs and triacs (excl. photosensitive semiconductor devices)	81	156	176	140	105	120	202	102	120	125	220	66
'854151	Semiconductor-based transducers (excl. photosensitive)	71	85	69	109	17	111	24	49	103	93	63	39
'854140	Photosensitive semiconductor devices, incl. photovoltaic cells whether or not assembled in ...	0	0	0	0	0	0	0	0	0	0	0	0
'854150	Semiconductor devices, n.e.s.	0	0	0	0	0	0	0	0	0	0	0	0



Yenilenebilir Enerji - İhracat/İthalat

Product: 8541 Semiconductor devices "e.g. diodes, transistors, semiconductor-based

Unit : US Dollar thousand

Product code	Product label	China's exports to South Africa			South Africa's imports from world			China's exports to world		
		Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022	Value in 2020	Value in 2021	Value in 2022
'854143	Photovoltaic cells assembled in modules or made up into panels	0	0	344.646	0	0	333.894	0	0	42.377.643
'854149	Photosensitive semiconductor devices (excl. photovoltaic generators and cells)	0	0	9.023	0	0	29.957	0	0	859.383
'854142	Photovoltaic cells not assembled in modules or made up into panels	0	0	4.688	0	0	10.855	0	0	4.000.445
'854160	Mounted piezo-electric crystals	709	1.205	835	2.051	3.094	3.477	1.338.989	1.785.278	1.556.398
'854110	Diodes (excl. photosensitive or light emitting diodes "LED")	575	758	669	5.830	8.232	10.618	2.569.029	3.321.792	3.233.321
'854190	Parts of diodes, transistors and similar semiconductor devices; photosensitive semiconductor ...	311	52	607	2.001	3.253	4.042	1.138.020	1.252.316	1.343.285
'854141	Light emitting diodes "LED"	0	0	604	0	0	24.166	0	0	3.565.798
'854159	Semiconductor devices, n.e.s.	0	0	493	0	0	1.201	0	0	132.036
'854130	Thyristors, diacs and triacs (excl. photosensitive semiconductor devices)	98	239	420	1.560	1.446	1.786	661.390	751.161	540.218
'854121	Transistors with a dissipation rate < 1 W (excl. photosensitive transistors)	142	140	228	759	1.362	1.656	1.126.011	1.520.365	1.547.810
'854129	Transistors with a dissipation rate >= 1 W (excl. photosensitive transistors)	130	154	205	3.930	6.228	8.379	4.612.796	6.200.445	6.458.811
'854151	Semiconductor-based transducers (excl. photosensitive)	0	0	125	0	0	832	0	0	264.836
'854140	Photosensitive semiconductor devices, incl. photovoltaic cells whether or not assembled in ...	136.081	274.523	0	192.277	279.620	0	23.841.346	33.526.270	31
'854150	Semiconductor devices, n.e.s.	356	272	0	717	1.301	0	368.287	434.884	20



Enerji Sektörü – Yenilenebilir Enerji

Sektördeki Güncel Gelişmeler

- 1- 100 MW Lisanssız Enerji Üretimi – NERSA – 2021
- 2- Atlantis SEZ, green energy, Cape Town
- 3- Boegoebaai Port, Rail and Infrastructure Project, Green Hydrogen, Northern Cape,
- 2- AB/USA, UK, Germany, France - 8,5 milyar USD, Decarbonization, Just Energy Transition – 2021-2022, (SA 14. carbon emission)
- 3- SA-Netherlands-Denmark, 1 milyar USD Green Hydrogen Fonu, 2023
- 3- ESCOM, Transmission Development Plan, 14.000 km, 2032
- 4- BRICS, China, 8 şirketle MOU,
- 5- BRICS – China, 500 (Grant) + 167 (Power Equipment) million Rand,



Enerji Sektörü – Yenilenebilir Enerji

Fuarlar

- <https://10times.com/southafrica/tradeshows>
- https://www.eventseye.com/fairs/c1_trade-shows_south-africa.html

- The Green Energy Africa Summit, Cape Town, 10 – 11 October 2023.
- Green Hydrogen Summit 2023, 16-17 October, CT,
- Africa Renewables Investment Summit, 20 - 21 Sep 2023, Cape Town,
- African Energy Week, 16-20 October, Cape Town
- Southern African Sustainable Energy Conference 2023, 15 - 17 Nov 2023, Port Elizabeth,
- Solar Power Africa, 07 - 09 Feb 2024, Cape Town,
- Africa's Green Economy Summit, 21 - 23 Feb 2024 Cape Town,
- The Future Energy Show Africa, 18 - 20 Mar 2024, Johannesburg,
- Africa Energy Indaba, 05 - 07 Mar 2024, Cape Town,



TÜRKİYE CUMHURİYETİ
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BİLGİ KAYNAKLARI

- **Ticaret, Sanayi ve Rekabet Bakanlığı (Department of Trade, Industry and Competition)**
 - BEE Politikası; Sınai Kalkınma; Ticaret-Yatırım Politika ve Destekleri (www.thedtic.gov.za)
 - **International Trade Administration Commission (ITAC):** Ticaret politikası önlemleri (www.itac.org.za)
 - **InvestSA:** <http://www.investsa.gov.za/>
- **Gelir İdaresi Başkanlığı (South African Revenue Service):** Vergilendirme ve Gümrük Önlemleri
 - <http://www.sars.gov.za>
 - <https://www.sars.gov.za/customs-and-excise/>
 - **Gümrük Tarife Cetveli:** <https://www.sars.gov.za/legal-counsel/primary-legislation/schedules-to-the-customs-and-excise-act-1964/>
 - Ticaret İstatistikleri: <https://www.sars.gov.za/customs-and-excise/trade-statistics/>



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BAKANLIĞI

BİLGİ KAYNAKLARI

- GAC Merkez Bankası: <https://www.resbank.co.za>
 - Döviz Kontrolleri:
 - <https://www.resbank.co.za/en/home/what-we-do/financial-surveillance>
 - <https://www.resbank.co.za/en/home/what-we-do/financial-surveillance/financial-surveillance-documents>



BİLGİ KAYNAKLARI

- **NRCS (National Regulator for Compulsory Specifications):** Teknik düzenlemeler (<https://www.nrccs.org.za/>)
- **SABS (South African Bureau of Standards):** Standartlar (<https://www.sabs.co.za/>)
- **CIPC (Companies and Intellectual Property Commission):** Şirket kurulumu ve fikri mülkiyet hakları tescili
 - Şirketler Sicili: <https://eservices.cipc.co.za/>
- **IDC (Industrial Development Corporation)** (<https://www.idc.co.za/research-reports/>)