**[Conținutul-cadru al memoriului de prezentare](https://lege5.ro/Gratuit/gmytenbvhezq/continutul-cadru-al-memoriului-de-prezentare-lege-292-2018-anexa-nr-5-anexa-nr-5e-la-procedura?dp=gi3tkmjwha2tcmi" \t "_blank)**

**I.** Denumirea proiectului: **Creare capacitate noua de producere energie electrica in cadrul TIRIAC AUTO SRL (Bucuresti)**

**II.** Titular:

**-** numele: SC TIRIAC AUTO SRL

**-** adresa poștală: Bdul. Expozitiei, nr. 2, sector 1, Bucuresti

**-** numărul de telefon: 0374141414; de fax - ; adresa de e-mail: office@tiriacauto.ro; adresa paginii de internet: [www.tiriacauto.ro](http://www.tiriacauto.ro)

**-** numele persoanelor de contact: Ionela Dumitrescu

- director/manager/administrator: Marian Marius Mihail

- responsabil pentru protecția mediului: Adrian Zanfirescu

**III.** Descrierea caracteristicilor fizice ale întregului proiect:

1. un rezumat al proiectului;

Prin prezentul proiect de investitii solicitantul TIRIAC AUTO S.R.L are ca obiectiv principal crearea unei capacitati noi de producere a energiei electrice din resurse regenerabile (0,2 MW), respectiv din energie solara la punctul de lucru din Bucuresti, Sector 1, Sos. Bucuresti-Ploiesti, nr. 107A.

Avand in vedere aceasta oportunitate de finantare precum si strategia de dezvoltare a societatii pe termen mediu si lung – strategie guvernata in primul rand de nevoia de patrundere pe noi piete si dezvoltarea de noi activitati – solicitantul a decis elaborarea si depunerea unui proiect pentru „*Creare capacitate noua de producere energie electrica in cadrul TIRIAC AUTO SRL (Bucuresti)*”.

Implementarea acestui proiect presupune realizarea urmatoarelor activitati eligibile:

• Achiziţionarea de instalaţii/ echipamente pentru construirea unei noi capacitati de producție a energiei electrice din surse regenerabile de energie solară – capacitate instalata 0,2 MW;

• Realizarea montajului instalatiei/ echipamentelor in scopul punerii in functiune a unitatii de producere a energiei electrice

1. justificarea necesității proiectului;

• Reducerea consumului de energie electrică, implicit reducerea costurilor;

• Funcționarea și exploatarea în condiții de siguranță deplină și de eficiență economică a infrastructurii;

• Îmbunătățirea standardelor de siguranță la nivelul societății;

• Îndeplinirea obiectivelor standardizate.

1. valoarea investiției: 1.276.503,48 lei cu TVA
2. perioada de implementare propusă;

Perioada de implementare este estimata a fi 6 luni (determinata in principal de perioada de furnizare a panourilor)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Nr. crt.*** | ***Denumire activitate*** | | ***Luna 1*** | ***Luna 2*** | ***Luna 3*** | ***Luna 4*** | ***Luna 5*** | ***Luna 6*** |
| *1.* | Dezvoltare | Semnare contracte | *X* | *X* |  |  |  |  |
| *2.* | Proiectare și inginerie instalație electrică utilizare și racordare\* | *X* | *X* |  |  |  |  |
| *3.* | Proiectare și inginerie rezistență și arhitectură\* | *X* | *X* |  |  |  |  |
| *4.* | Avize și acorduri conform Certificat de Urbanism\* | *X* | *X* |  |  |  |  |
| *5.* | Obținere Aviz Tehnic de Racordare\* și Autorizație de Construire\* | *X* | *X* |  |  |  |  |
| *6.* | Construire | Achiziție echipamente, instalații și dotări investiția de bază\* |  | *X* | *X* | *X* | *X* |  |
| *7.* | Livrare echipamente, instalații și dotări investiția de bază\* |  | *X* | *X* | *X* | *X* |  |
| *8.* | Lucrări de construcții –montaj investiție de bază\* |  | *X* | *X* | *X* | *X* |  |
| *9.* | Lucrări de construcții –montaj instalație de racordare\*\* (conform modificare ATR) |  | *X* | *X* | *X* | *X* |  |
| *10.* | Punere în funcțiune | Recepție și punere în funcțiune instalație de utilizare\* |  |  |  |  | *X* | *X* |
| *11.* | Recepție și punere în funcțiune instalație de racordare\*\* |  |  |  |  | *X* | *X* |
| *12.* | Licențe și contract de racordare (tarif de racordare)\*\* |  |  |  |  | *X* | *X* |

1. planșe reprezentând limitele amplasamentului proiectului, inclusiv orice suprafață de teren solicitată pentru a fi folosită temporar (planuri de situație și amplasamente);

**O imagine care conține hartă

Descriere generată automat**

Amplasamentul investiției de află în Loc. Bucuresti Sectorul 1, Sos Bucuresti, Ploiesti, Nr. 107A, România. Obiectivul de investiții specificat în prezentul document este amplasat pe raza unității administrativ-teritoriale a sectorului 1 Bucuresti.

Locația geografică a proiectului: 44.524863°,026.07084°

Suprafața utila a acoperișului aproximativ – 2.300 mp;

Lucrările vor fi executate numai pe domeniul privat, aflat in folosinta solicitantului, prin urmare nu este cazul de drepturi de servitute sau preempțiune. Accesul se va realiza prin accesul rutier si pietonal existent. Amplasamentul investiției este orientat pe direcția Nord-Vest a punctelor cardinale.

*Condiții specifice de mediu-climă*

Din punct de vedere meteo-climatic, zona aparține sectorului de climă temperat este una continentală, verile sunt foarte calde și uscate, iar iernile geroase, marcate de viscole puternice, dar și de întreruperi frecvente provocate de advecțiile de aer cald și umed din Sud și Sud-Vest care determină intervale de încălzire și de topire a stratului de zăpadă. Temperatura medie anuală este de 11,9 °C, oscilând între 21,7 °C în luna Iulie și -3 ÷ -4 în luna Ianuarie.

Adâncimea de îngheț în zona este de 0,90 m. Conform SR 11100/1-1993, zona studiată, se încadrează în zona VIII pe scara MSK de intensitate seismică.

Evaluarea riscului seismic la nivelul României, poziționarea localității într-o zonă de risc seismic ridicat, în care au loc cutremure intermediare cu impact relativ mare.

Amplasamentul propus pentru realizarea investitiei, respectiv pentru amplasarea panourilor fotovoltaice este pe cladirea C1 si va deservi toate cladirile de la punctul de lucru.

Terenul si cladirile, implicit C1 pe care vor fi amplasate panorule fotovoltaice este libera de orice sarcini (în sensul în care nu există niciun act sau fapt juridic care împiedică sau limitează, total sau parţial, exercitarea unuia sau mai multor atribute ale dreptului de proprietate, astfel încât proprietarul să poată realiza activitățile proiectului). Acestea nu fac obiectul unor litigii în curs de soluţionare la instanţele judecătoreşti cu privire la situaţia juridică, nu fac obiectul revendicărilor potrivit unor legi speciale în materie sau dreptului comun, conform precizarilor impuse de ghidul specific. Astfel, imobilul este disponibil pentru realizarea investitiei.

Cladirea este in perfecta stare de functionare, nu necesita lucrari de reparatii sau de adaptare pentru realizarea investitiei. Spatiul dispune si de curte interioara betonata si parcari.

**f)** o descriere a caracteristicilor fizice ale întregului proiect, formele fizice ale proiectului (planuri, clădiri, alte structuri, materiale de construcție și altele).

Proiectul va fi implementat la punctul de lucru din Bucuresti, Sector 1, Sos. Bucuresti-Ploiesti, nr. 107A, nr cadastral 221940. La acest punct de lucru, firma desfasoara activitate economica showroom auto si service auto avand autorizat si codul CAEN 3511 – Producția de energie electrică.

Terenul este inscris in Cartea funciara nr. 221940 Bucuresti Sectorul 1, nr cadastral 221940 (CF vechi 28756\_5, nr casastral vechi 13129/3/1/3), se afla in intravilanul localitatii Bucuresti, sector 1, categoria de folosinta curti constructii si are o suprafata de 6.726 mp.

Cladirea pe care vor fi amplasate panourile fotovoltaice, ce fac obiectul prezentului proiect, este cladirea C1 din Bucuresti, Sector 1, Sos. Bucuresti-Ploiesti, nr. 107A, deservin toate cele 4 cladiri. Cladirea C1 are o suprafata construita la sol de 2.310,07 mp, este contruita pe 2 niveluri P+1E si are destinatie comerciala de showroom auto, service auto cu depozite, magazii si spatii tehnice si birouri de lucru. Cladirea este in perfecta stare de functionare, nu necesita lucrari de reparatii sau de adaptare pentru realizarea investitiei. Spatiul dispune si de curte interioara betonata.

Terenul si cladirile C1, C2, C3 si C4 se afla in folosinta solicitantului S.C. TIRIAC AUTO S.R.L. in baza Contractului de inchiriere nr. TI04-100608/18.12.2019 si a Actelor aditionale, 2/31.03.2020 si 3/17.05.2022, incheiat intre S.C. AUTOMOTIVE REAL ESTATE S.R.L. in calitate de locator si S.C. TIRIAC AUTO S.R.L. in calitate de locatar. Durata contractului de inchirere, conform Actului aditional nr. 3 este pana in 31.12.2029 si este, astfel, „valabil cel puţin 5 ani de la data previzionată pentru efectuarea plății finale în cadrul proiectului”, asa cum este solicitat in Ghidul Specific. Amplasamentul este structurat astfel:

O imagine care conține masă

Descriere generată automat

Investitia se va realiza pe acoperisul cladirii C1, constructiei de tip hala care este racordata la sistemul energetic national conform ATR nr 15350 din 07.07.2004 emis de Electrica Muntenia Sud SA printr-un punct de conexiune 20 kV echipat cu transformatoare de 1000 kVA 20/0,4 kV. Hala este prevazuta cu un tablou FDCP din care este alimentat fiecare punct de consum in parte.

Puterea aprobata in cadrul acestui Aviz Tehnic de racordare este de 400 kW, putere ce nu va fi depasita de energia injectata in sistem de noua instalatie de productie de energie electrica.

Având în vedere creșterea amplă a prețurilor energiei electrice în perioada recentă pe plan european și ținând cont de faptul că piața de energie electrică din România va fi caracterizată, pe termen mediu și lung, de volatilitatea prețului pentru energia electrică, cu tendință accentuat crescătoare, de concurența în creștere între jucătorii de pe piața de furnizare a energiei electrice, precum și de noua legislație care introduce prevederi legate de tranzacții în piața nereglementată, societatea TIRIAC AUTO S.R.L a identificat oportunitatea de finanțare pentru un proiect de investiții ce constă într-un sistem de panouri fotovoltaice prin Planul Național de Redresare și Reziliență – Pilonul I. Tranziția verde – Componenta C6. Energie - Măsura de investiții - Investiția I.1 – Noi capacități de producție de energie electrică din surse regenerabile.

Astfel, prezentului proiect de investitie constă în instalarea unei capacități de producere energie din surse regenerabile de 0,2 MWp din surse solare, respectiv un sistem de panouri fotovoltaice, pentru creșterea eficienței energetice în punctul de instalare, respectiv reducerea consumurilor din rețea și secundar, valorificarea prin vânzarea a cantităților de energie neconsumate. **Energia obținută astfel din surse regenerabile va acoperi, în principal, necesarul de consum propriu**. De asemenea implementarea proiectului va contribui la creșterea eficienței energetice în punctul de instalare, respectiv reducerea consumurilor din rețea și secundar, valorificarea prin vânzarea a cantităților de energie neconsumate. Astfel, ca urmare a realizării investiției operatorul va înregistra în primul rând economii de cheltuieli cu energia ce se vor regăsi ca venituri nete generate de investiție.

Principalele funcții pe care instalația electrică fotovoltaică le va îndeplini, sunt:

* captarea energiei solare;
* transformarea acesteia în energie electrică (curent continuu, tensiune și curent variabile);
* regularizarea energiei electrice (transformarea în curent alternativ cu caracteristici standard);
* consumarea energiei electrice în regim propriu;
* furnizarea surplusului de energie electrică în Sistemul Energetic Național (SEN);
* colectarea de date de profil pentru evaluări superioare ale potențialului energetic.

Captarea energiei solare, se realizează prin intermediul unor celule fotovoltaice. Acestea sunt fabricate din semiconductori, pe bază de siliciu – monocristalin, policristalin sau amorf, fiind diode sau joncțiuni P-N cu suprafață mare, care prin culoarea închisă a materialelor din componență, captează marea majoritate a energiei solare (fotonilor incidenți). O celulă fotovoltaică clasică, bazată pe siliciu cristalin produce energie electrica cu o tensiune de aproximativ 0,5 V și un curent proporțional cu iradianța solară, suprafața efectivă și eficiența a celulei. Cantitatea de energie electrică produsă de o celulă fotovoltaică poate fi influențată de o multitudine de alți factori: tensiunea de la borne, temperatura, etc. Un număr de celule fotovoltaice pot fi conectate în serie și paralel, montate într-un sistem etanș, intre o foaie de sticlă securizata și una de fluorura de polivinil montate într-o ramă din profil de aluminiu extrudat. Dimensiunea este de aproximativ 1755mm x 1038mm, cu o suprafață de aproximativ 2 mp. Cu o eficienta obișnuită pentru tehnologia de construcție pe baza de siliciu monocristalin de aproximativ 20%, panoul fotovoltaic poate produce în condiții de test standard (STC) aproximativ 380 Wp.

Transformarea energiei solare în energie electrică se datorează fotonilor din radiația solară care ciocnesc electronii din banda energetică de valență (starea legată în structura cristalină), transferându-le îndeajuns de multă energie încât aceștia trec în banda energetică de conducție promovând circulația electronilor în direcția dictată de polaritatea joncțiunii. Acest fenomen, cunoscut în literatura de specialitate sub numele de Efect Fotovoltaic stă la baza funcționării celulelor fotovoltaice.

Celulele fotovoltaice sunt conectate în serie și paralel sub formă de panouri pentru a realiza puteri ce pot fi folosite în aplicații multiple în funcție de necesități. În cazul de față, panourile au o putere nominală (garantata de producător cu o anumita toleranta).

Panourile sunt conectate cumulând o putere instalată de cca. 835 kWp pentru întreaga instalație. Altfel spus, atunci când condițiile sunt similare cu cele standard (STC – standard test conditions) care sunt reprezentate de temperatura celulelor fotovoltaice componente de 25 °C, spectrul radiației incidente AM 1.5 și iradianta de 1000 W/mp, această instalație produce energie electrica la un nivel de putere de 835 kW. Condiții normale de funcționare nu pot fi similare cu cele standard decât foarte rar, astfel ca instalația poate produce la un moment dat mai mult (in condiții de temperatura scăzută, atmosfera uscata și lipsita de aerosoli, albedo apropiat de unitate, în condiții de margine de nor, etc.) sau mai puțin decât puterea instalata (în condiții opuse celor precedente).

Energia electrică produsă de panourile de celule fotovoltaice este sub formă de curent continuu (CC) și este neregulata (tensiune și curent variabile), dificil de transportat și folosit. Transformarea și regularizarea energiei electrice, într-o formă transportabilă, se realizează cu ajutorul invertoarelor ce transformă energia electrică generata sub forma de curent continuu (CC) în curent alternativ (CA), ce poate fi furnizata în Sistemul Energetic National (SEN). Transformarea are în total o eficienţă medie Euro (European efficiency) ηeuro de 98,2% și maximă (Max. efficiency) ηmaxim de 98,5%. Eficiența maximă se datorează în parte facționarii la tensiuni mari de pana la 1000V pe partea de CC, care implica pierderi mici pe liniile conectare și o ajustare permanenta a parametrilor de colectare (Maximum Power Point Tracking - MPPT) pe partea de CC.

În această formă, energia electrică poate fi injectată în (SEN) pe liniile de distribuție de joasă tensiune (0,4kV), iar pentru acest deziderat se folosește instalația de racordare existentă a obiectivului. Astfel, surplusul de energie electrică produsă de Instalația Fotovoltaică, furnizat în sistem, poate fi utilizat teoretic de orice sarcină conectată la SEN.

Generatorul de energie electrică (totalitatea modulelor fotovoltaice) este compus din panouri fotovoltaice montate pe suporți de profile de Al protejate împotriva coroziunii, care s-a dovedit a fi o alegere foarte bună în implementarea altor proiecte similare. Sistemul asigură rigiditate, stabilitate termică și chimică și rezistență la intemperii, definite prin încărcările statice și dinamice la care întreaga instalație va fi supusă.

Structura de montare asigura o înălțime corespunzătoare a marginii inferioare a panourilor fotovoltaice fața de suprafață acoperișului, pentru a permite o funcționare optimă în perioadele cu căderi de zăpadă mai mari decât mediile înregistrate.

Locația a fost aleasă, astfel încât să valorifice suprafața neutilizată până în prezent și să maximizeze valoarea investiției prin minimum de cheltuieli colaterale inițiale și maximum de beneficii directe și indirecte. Alegerea locației a ținut cont de potențialul energetic solar și folosirea unei suprafețe nefolosite anterior. Suprafața totală folosită pentru implementarea acestui proiect este de cca. 9.800 mp.

Structurile suport ale panourilor fotovoltaice se vor construi cu orientare sudică, pe structura modulară, cu module construite identic, ceea ce permite replicarea la un cost redus. Orientarea structurii este unidirecțională, cu înclinație fixă de 20% aproximativ 11o.

Diagram

Description automatically generated

Distribuția pierderilor pe componente/factori perturbatori

În figura următoare se prezintă curbele de producție, pentru cele trei cazuri:

* cazul cel mai defavorabil – curba de producție minimă;
* cazul cel mai favorabil – curba de producție maximă;
* cazul mediu – curba de producție medie.

*Curbe previzionate de producție zilnică*

**Instalația Fotovoltaică are în componență următoarele echipamente:**

* **Module fotovoltaice de 450 WP pana la 550WP**
* **Invertoare de putere unidirecționale trifazate, putere nominală tensiune alternativă 100 kVA**
* **Ansamblu structura de montaj din aluminiu pentru montajul modulelor fotovoltaice pe acoperiș, cu orientare unidirecțională și înclinație fixă. Format din șină de aluminiu, șurub de ancorare acoperiș tabla, kit clemă dublă, kit clema capăt**
* **Tablouri electrice, rețele electrice de cablu instalație de utilizare, instalație de legare la pământ, dispozitive modulare protecție împotriva supratensiunilor**

**-** alte autorizații cerute pentru proiect.

Pentru investitia ce face obiectul proiectului a fost depusa documentatia in vederea emiterii Certificatului de urbanism, fiind înregistrată la Primăria Sector 1 - Bucuresti cu nr. 31545/10.06.2022.

*Investitia propusa prin proiect se incadreaza la Art. 2, pct. 9, litera f) din Legea 7/2020.*

*Conform Art. 2, pct. 9, litera f) din Legea 7/2020 (pentru modificarea si completarea Legii nr. 10/1995 privind calitatea in constructii si pentru modificarea si completarea Legii nr. 50/1991 privind autorizarea executarii lucrarilor de constructii) prin care se pot executa fara autorizatie de construire urmatoarele lucrari care nu modifica structura de rezistenta, caracteristicile initiale ale constructiilor sau aspectul architectural al acestora:*

*f) Montarea pe clădiri, anexe gospodărești și pe sol a sistemelor fotovoltaice pentru producerea energiei electrice de către prosumatori așa cum sunt ei definiți la art. 2 lit. X1) din Legea nr. 220/2008 pentru stabilirea sistemului de promovare a producerii energiei din surse regenerabile de energie, republicată, cu modificările și completările ulterioare, și/sau a panourilor solare pentru încălzirea sau prepararea apei calde pentru consumul casnic, cu înștiințarea prealabilă a autorităților administrației publice locale și cu respectarea legislației în vigoare.*

*Conform Legii nr. 220/2008, Art. 2. lit. X1 ), definitia prosumatorului este:*

*Art. 2. lit. X1) prosumator este clientul final care deţine instalaţii de producere a energiei electrice, inclusiv în cogenerare, a cărui activitate specifică nu este producerea energiei electrice, care consumă şi care poate stoca şi vinde energie electrică din surse regenerabile produsă în clădirea lui, inclusiv un bloc de apartamente, o zonă rezidenţială, un amplasament de servicii partajat, comercial sau industrial sau în acelaşi sistem de distribuţie închis, cu condiţia ca, în cazul consumatorilor autonomi necasnici de energie din surse regenerabile, aceste activităţi să nu constituie activitatea lor comercială sau profesională primară.*

Pentru realizarea investitiei a fost eliberat Extrasul de carte funciara nr. 221940 pentru amplasamentul investitiei, din care reiese ca imbilul se afla in folosinta solicitantului, S.C. TIRIAC AUTO S.R.L...

Solicitantul a demarat la acest moment procedura pentru obtinere a documentului emis de mediu (dupa caz), urmand ca in termenele prevazute de legislatia in vigoare sa obtina efectiv acordul. A fost obtinuta Decizia etapei de evaluare initaiala 87/27.05.2022, anexata prezentei documentatii. Actul de reglementare pentru protecția mediului se va depune în etapa de contractare.

**- Avize conforme privind asigurarea utilitatilor** NU ESTE CAZUL

**- Studiu topografic, vizat de catre Oficiul de Cadastru si Publicitate Imobiliara**  NU ESTE CAZUL

**- Avize, acorduri si studii specifice, dupa caz, in functie de specificul obiectivului de investitii si care pot conditiona solutiile tehnice**

La momentul stabilirii solutiei tehnice nu au fost identificate avize/ acorduri care sa aiba un impact asupra solutiei tehnico-economice prevazute in documentatia tehnica (Studiu de fezabilitate).

**IV.** Descrierea lucrărilor de demolare necesare:

**NU ESTE CAZUL**

**V.** Descrierea amplasării proiectului:

Amplasamentul investiției de află în **Loc. Bucuresti Sectorul 1, Sos Bucuresti, Ploiesti, Nr. 107A,** România. Obiectivul de investiții specificat în prezentul document este amplasat pe raza unității administrativ-teritoriale a sectorului 1 Bucuresti.

**Locația geografică a proiectului: 44.524863°,026.07084°**

Suprafața utila a acoperișului aproximativ – 2.300 mp;

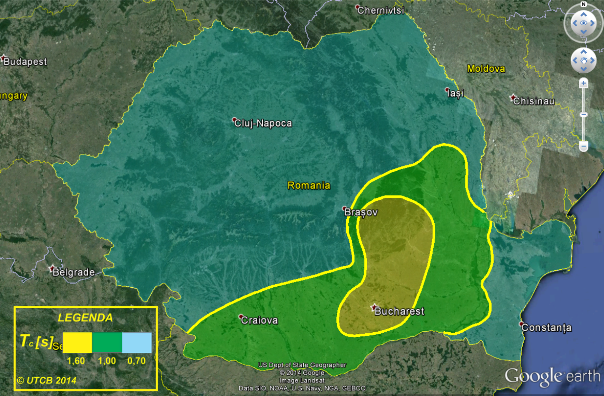
Lucrările vor fi executate numai pe domeniul privat, aflat in folosinta solicitantului, prin urmare nu este cazul de drepturi de servitute sau preempțiune. Accesul se va realiza prin accesul rutier si pietonal existent. Amplasamentul investiției este orientat pe direcția Nord-Vest a punctelor cardinale.

**Condiții specifice de mediu-climă**

Din punct de vederemeteo-climatic,zona aparține sectorului de climă temperat este una continentală, verile sunt foarte calde și uscate, iar iernile geroase, marcate de viscole puternice, dar și de întreruperi frecvente provocate de advecțiile de aer cald și umed din Sud și Sud-Vest care determină intervale de încălzire și de topire a stratului de zăpadă. Temperatura medie anuală este de 11,9 °C, oscilând între 21,7 °C în luna Iulie și -3 ÷ -4 în luna Ianuarie. Adâncimea de îngheț în zona este de 0,90 m. Conform SR 11100/1-1993, zona studiată, se încadrează în zona VIII pe scara MSK de intensitate seismică. Evaluarea riscului seismic la nivelul României, poziționarea localității într-o zonă de risc seismic ridicat, în care au loc cutremure intermediare cu impact relativ mare.



Harta de zonare seismică (Wikpedia - Enciclopedia liberă, 2020)



*Hartă de zonare seismică (Tc) (Wikpedia - Enciclopedia liberă, 2020)*

![O imagine care conține hartă

Descriere generată automat](data:image/jpeg;base64,/9j/4AAQSkZJRgABAQEAYABgAAD/4TkWRXhpZgAATU0AKgAAAAgABgALAAIAAAAmAAAIYgESAAMAAAABAAEAAAExAAIAAAAmAAAIiAEyAAIAAAAUAAAIrodpAAQAAAABAAAIwuocAAcAAAgMAAAAVgAAEUYc6gAAAAgAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAFdpbmRvd3MgUGhvdG8gRWRpdG9yIDEwLjAuMTAwMTEuMTYzODQAV2luZG93cyBQaG90byBFZGl0b3IgMTAuMC4xMDAxMS4xNjM4NAAyMDIwOjA3OjE5IDEzOjQ5OjM0AAAGkAMAAgAAABQAABEckAQAAgAAABQAABEwkpEAAgAAAAMwMAAAkpIAAgAAAAMwMAAAoAEAAwAAAAEAAQAA6hwABwAACAwAAAkQAAAAABzqAAAACAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA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*Harta zonelor de risc la cutremure*

Conform normativ P100 – 1/2013 “Cod de proiectare seismică – Partea I: Prevederi de proiectare pentru clădiri” zona în care sunt amplasate noile instalații are următoarele caracteristici principale:

Tc (perioada de colț) = 1.60 sec;

ag (accelerația terenului pentru proiectare IMR = 225 ani) = 0,3 g.

(iii) date geologice generale;

Adâncimea de îngheț în zona este de 0,90 m.

Conform “Normativului CR1-1-4-2012, Cod de proiectare. Bazele proiectării și acțiunii vântului asupra construcțiilor. Acțiunea vântului”. Presiunea de referință a vântului ( Kpa), mediata pe 10 min. la 10 m ( 50 ani interval mediu de recurenta), pentru zona analizata este egală cu 0,50 KPa.

Conform Indicativ CR1 – 1-3-2012, “Cod de proiectare. Evaluarea acțiunii zăpezii asupra construcțiilor.” – Încărcarea dată de zăpada este: Sok = 2,00 KN / mp ( 50 ani interval mediu de recurenta)

**VI.** Descrierea tuturor efectelor semnificative posibile asupra mediului ale proiectului, în limita informațiilor disponibile:

**A.** Surse de poluanți și instalații pentru reținerea, evacuarea și dispersia poluanților în mediu:

**a)** protecția calității apelor:

Nu este cazul.

**b)** protecția aerului:

Nu este cazul.

**c)** protecția împotriva zgomotului și vibrațiilor:

Nu este cazul.

**d)** protecția împotriva radiațiilor:

Nu este cazul.

**e)** protecția solului și a subsolului:

Nu este cazul.

**f)** protecția ecosistemelor terestre și acvatice:

Nu este cazul.

**g)** protecția așezărilor umane și a altor obiective de interes public:

Nu este cazul.

**h)** prevenirea și gestionarea deșeurilor generate pe amplasament în timpul realizării proiectului/în timpul exploatării, inclusiv eliminarea:

Nu este cazul.

**i)** gospodărirea substanțelor și preparatelor chimice periculoase:

Nu este cazul.

***B. Utilizarea resurselor naturale, în special a solului, a terenurilor, a apei și a biodiversității.***

**VII.** Descrierea aspectelor de mediu susceptibile a fi afectate în mod semnificativ de proiect:

**Nu este cazul.**

**VIII.** Prevederi pentru monitorizarea mediului - dotări și măsuri prevăzute pentru controlul emisiilor de poluanți în mediu, inclusiv pentru conformarea la cerințele privind monitorizarea emisiilor prevăzute de concluziile celor mai bune tehnici disponibile aplicabile. Se va avea în vedere ca implementarea proiectului să nu influențeze negativ calitatea aerului în zonă.

**Nu este cazul.**

**IX.** Legătura cu alte acte normative și/sau planuri/programe/strategii/documente de planificare:

1. Justificarea încadrării proiectului, după caz, în prevederile altor acte normative naționale care transpun legislația Uniunii Europene: Directiva [2010/75/UE](https://lege5.ro/Gratuit/gm2donzwga/directiva-nr-75-2010-privind-emisiile-industriale-prevenirea-si-controlul-integrat-al-poluarii-reformare-text-cu-relevanta-pentru-see?d=2018-12-11) (IED) a Parlamentului European și a Consiliului din 24 noiembrie 2010 privind emisiile industriale (prevenirea și controlul integrat al poluării), Directiva [2012/18/UE](https://lege5.ro/Gratuit/gmzdmnrtgm/directiva-nr-18-2012-privind-controlul-pericolelor-de-accidente-majore-care-implica-substante-periculoase-de-modificare-si-ulterior-de-abrogare-a-directivei-96-82-ce-a-consiliului-text-cu-relevanta-pe?d=2018-12-11) a Parlamentului European și a Consiliului din 4 iulie 2012 privind controlul pericolelor de accidente majore care implică substanțe periculoase, de modificare și ulterior de abrogare a Directivei [96/82/CE](https://lege5.ro/Gratuit/gi3dsmruga/directiva-nr-82-1996-privind-controlul-asupra-riscului-de-accidente-majore-care-implica-substante-periculoase?d=2018-12-11) a Consiliului, Directiva [2000/60/CE](https://lege5.ro/Gratuit/gi3tinjxge/directiva-nr-60-2000-de-stabilire-a-unui-cadru-de-politica-comunitara-in-domeniul-apei?d=2018-12-11) a Parlamentului European și a Consiliului din 23 octombrie 2000 de stabilire a unui cadru de politică comunitară în domeniul apei, Directiva-cadru aer 2008/50/CE a Parlamentului European și a Consiliului din 21 mai 2008 privind calitatea aerului înconjurător și un aer mai curat pentru Europa, Directiva [2008/98/CE](https://lege5.ro/Gratuit/gi3tsmjwha/directiva-privind-deseurile-si-de-abrogare-a-anumitor-directive-text-cu-relevanta-pentru-see?d=2018-12-11) a Parlamentului European și a Consiliului din 19 noiembrie 2008 privind deșeurile și de abrogare a anumitor directive, și altele). - **Nu este cazul.**

**Documentatia tehnico-economica a proiectului a fost intocmita in conformitate cu:**

* **Hotararea de Guvern nr. 907/ 2016**, privind etapele de elaborare si continutul-cadru al documentatiilor tehnico-economice aferente obiectivelor/proiectelor de investitii finantate din fonduri publice;
* Planul Național de Redresare și Reziliență al României (PNRR);
* **Ghidul specific** pentru Măsura de investiții - Investiția I.1 – Noi capacități de producție de energie electrică din surse regenerabile;
* **Regulamentul (UE) 2021/241 al Parlamentului European și al Consiliului din 12 februarie 2021,** regulament ce stabilește obiectivele acestuia, finanțarea sa, formele de finanțare din partea Uniunii în cadrul acestuia și normele privind furnizarea unei astfel de finanțări. De asemenea, in elaborarea documentatiei s-a tinut cont de legislatia Uniunii Europene (prevederile aplicabile prezentului proiect de investitie) si Legislatia nationala, prevazuta in Ghidul specific.

1. Se va menționa planul/programul/strategia/documentul de programare/planificare din care face proiectul, cu indicarea actului normativ prin care a fost aprobat.

Prezenta documentatie este elaborata in vederea depunerii unui proiect cu finantare nerambursabila de catre TIRIAC AUTO S.R.L. in calitate de solicitat, in cadrul Planului National de Redresare si Rezilienta – Pilonul I. Tranzitia verde – Componenta C6. Energie - Masura de investitii - Investitia I.1 – Noi capacitati de productie de energie electrica din surse regenerabile. La momentul elaborarii prezentei documentatii solicitantul desfasoara ca activitate principala comert cu autoturisme si autovehicule usoare, cod CAEN 4511. Activitatile principale desfasurate la punctul de lucru la care va fi implementat proiectul, Bucuresti, Sector 1, Sos. Bucuresti-Ploiesti, nr. 107A, sunt de showroom auto (Comert cu autoturisme si autovehicule usoare – cod CAEN 4511) si service auto (Intretinerea si repararea autovehiculelor – cod CAEN 4520), avand autorizat la acest punct de lucru si codul CAEN 3511 – Producția de energie electrică. **Prin prezentul proiect de investitii solicitantul TIRIAC AUTO S.R.L are ca obiectiv principal crearea unei capacitati noi de producere a energiei electrice din resurse regenerabile (0,2 MW), respectiv din energie solara la punctul de lucru din Bucuresti, Sector 1, Sos. Bucuresti-Ploiesti, nr. 107A.**

Avand in vedere aceasta oportunitate de finantare precum si strategia de dezvoltare a societatii pe termen mediu si lung – strategie guvernata in primul rand de nevoia de patrundere pe noi piete si dezvoltarea de noi activitati – solicitantul a decis elaborarea si depunerea unui proiect pentru „***Creare capacitate noua de producere energie electrica in cadrul TIRIAC AUTO SRL (Bucuresti)***”.

Implementarea acestui proiect presupune realizarea urmatoarelor activitati eligibile:

* **Achiziţionarea de instalaţii/ echipamente pentru construirea unei noi capacitati de producție a energiei electrice din surse regenerabile de energie solară – capacitate instalata 0,2 MW;**
* **Realizarea montajului instalatiei/ echipamentelor in scopul punerii in functiune a unitatii de producere a energiei electrice**

**Politici, strategii, legislatie, acorduri relevante, structuri institutionale si financiare, relevante pentru prezentul proiect**

Investitia propusa, se incadreaza in **Planul National de Redresare si Rezilienta – Pilonul I. Tranzitia verde – Componenta C6. Energie - Masura de investitii - Investitia I.1 – Noi capacitati de productie de energie electrica din surse regenerabile.**

**Planul National de Redresare si Rezilienta**

În contextul crizei provocate de COVID-19, Comisia Europeană a instituit un Mecanism de redresare și reziliență („mecanismul”) pentru a furniza un sprijin financiar eficace și semnificativ menit să accelereze implementarea reformelor sustenabile și a investițiilor publice conexe în statele membre. Mecanismul a fost aprobat prin Regulamentul (UE) 2021/241 al Parlamentului European și al Consiliului din 12 februarie 2021, regulament ce stabilește obiectivele acestuia, finanțarea sa, formele de finanțare din partea Uniunii în cadrul acestuia și normele privind furnizarea unei astfel de finanțări. **Domeniul de aplicare**: vizează domenii de politică de importanță europeană structurate pe șase piloni:

1. tranziția verde;

2. transformarea digitală;

3. creștere inteligentă, durabilă și favorabilă incluziunii, inclusiv coeziune economică, locuri de muncă, productivitate, competitivitate, cercetare, dezvoltare și inovare, precum și o piață internă funcțională, cu IMM-uri puternice;

4. coeziune socială și teritorială;

5. sănătate și reziliență economică, socială și instituțională, având drept scop, printre altele, creșterea nivelului de pregătire pentru situații de criză și a capacității de reacție la criză; și

6. politici pentru generația următoare, copii și tineret, cum ar fi educația și competențele.

**Principiile mecanismului:**

• Sprijinul acordat în cadrul mecanismului nu se substituie cheltuielilor bugetare naționale recurente, decât în cazuri justificate corespunzător, și respectă principiul adiționalității fondurilor Uniunii menționat la articolul 9 din Regulamentul (UE) 2021/241 al Parlamentului European și al Consiliului din 12 februarie 2021;

• Mecanismul sprijină doar măsurile de sprijin care respectă principiul „de a nu prejudicia în mod semnificativ”, conform prevederilor.

**Planul Național de Redresare și Reziliență al României (PNRR)** reprezintă documentul strategic care fundamentează prioritățile de reformă și domeniile de investiții pentru aplicarea Mecanismului de redresare și reziliență.

**Scopul PNRR:** accelerarea implementării reformelor sustenabile și a investițiilor publice conexe, respectiv asigurarea ameliorării stării economiei naționale după criza generată de COVID-19, creșterea economică și crearea de locuri de muncă necesare pentru incluziunea forței de muncă, sprijinirea tranziției verzi și a celei digitale pentru promovarea creșterii durabile.

**Obiectivul general al PNRR** este dezvoltarea României prin realizarea unor programe și proiecte esențiale, care să sprijine reziliența, nivelul de pregătire pentru situații de criză, capacitatea de adaptare și potențialul de creștere, prin reforme majore și investiții cheie cu fonduri alocate pentru România în cadrul mecanismului.

**Obiectivul specific al PNRR** este de a atrage fondurile puse la dispoziție de Uniunea Europeană prin instrumentul NextGenerationEU în vederea atingerii jaloanelor și a țintelor în materie de reforme și investiții.

**Componenta Energie** se regăsește în cadrul Pilonului I Tranziția verde - din PNRR și are ca obiectiv asigurarea tranziției verzi și a digitalizării sectorului energetic prin promovarea producției de energie electrică din surse regenerabile, a eficienței energetice și a tehnologiilor viitorului.

În contextul Pactului Ecologic European și al ambițiilor în creștere privind neutralitatea climatică, România va trebui să accelereze investițiile și reformele în vederea decarbonării tuturor sectoarelor: energie, transport, clădiri și industrie.

Măsurile din Componenta Energie sunt propuse în baza Recomandărilor Specifice de Țară 2019-2020 și răspund provocărilor identificate în contextul Semestrului european pentru coordonarea politicilor economice, susținând tranziția verde și transformarea digitală, precum și creșterea economică, reziliența socială și economică, dar și crearea de locuri de muncă.

Totodată, prin reformele și investițiile propuse, Componenta Energie urmărește să abordeze principalele provocări ale sectorului energetic românesc în ceea ce privește poluarea aerului și decarbonizarea sectorului energetic prin eliminarea treptată a centralelor pe bază de cărbune și prin facilitarea implementării surselor regenerabile și alternative de energie, cum este hidrogenul verde.

De asemenea, urmărește să crească flexibilitatea rețelei electrice, să digitalizeze sectorul energetic, să reducă intensitatea energetică a industriei și să îmbunătățească guvernanța corporativă a întreprinderilor de stat din sectorul energetic.

În ceea ce privește obiectivele de mediu, măsurile vor urmări să nu aducă prejudicii semnificative în sensul articolului 17 din Regulamentul (UE) 2020/852 și vor respecta principiile din Ghidul tehnic DNSH (2021/C58/01) în raport cu cele șase obiective de mediu, respectiv:

➢ atenuarea schimbărilor climatice;

➢ adaptarea la schimbările climatice;

➢ utilizarea durabilă și protecția resurselor de apă și marine;

➢ economia circulară, inclusiv prevenirea și reciclarea deșeurilor;

➢ prevenirea și controlul poluării în aer, apă sau sol;

➢ protecția și restaurarea biodiversității și a ecosistemelor.

Măsurile propuse în PNRR trebuie puse în aplicare până în anul 2026.

**Bugetul** alocat Componentei Energie din PNRR este de aproximativ **1,62 mld. Euro.**

**Beneficiari direcți/indirecți:** IMM-uri, întreprinderi mari, autorități publice locale (APL), unități administrative teritoriale (UAT).

**Planul Național Integrat în domeniul Energiei și Schimbărilor Climatice 2021-2030**

În urma aderării UE la Acordul de la Paris și odată cu publicarea Strategiei Uniunii Energetice, Uniunea și-a asumat un rol important în privința combaterii schimbărilor climatice, prin cele **5 dimensiuni** principale: **securitate energetică, decarbonare, eficiență energetică, piața internă a energiei și cercetare, inovare și competitivitate.**

Astfel, Uniunea Europeană s-a angajat să conducă tranziția energetică la nivel global, prin îndeplinirea obiectivelor prevăzute în Acordul de la Paris privind schimbările climatice, care vizează furnizarea de energie curată în întreaga Uniune Europeană. Pentru a îndeplini acest angajament, Uniunea Europeană a stabilit obiective privind energia și clima la nivelul anului 2030, după cum urmează:

* Obiectivul privind reducerea emisiilor interne de gaze cu efect de seră cu cel puțin 40% până în 2030, comparativ cu 1990;
* Obiectivul privind un consum de energie din surse regenerabile de 32% în 2030;
* Obiectivul privind îmbunătățirea eficienței energetice cu 32,5% în 2030;
* Obiectivul de interconectare a pieței de energie electrică la un nivel de 15% până în 2030.

În consecință, pentru a garanta îndeplinirea acestor obiective, fiecare stat membru a fost obligat să transmită Comisiei Europene un Proiect al Planului Național Integrat în domeniul Energiei și Schimbărilor Climatice (PNIESC) pentru perioada 2021-2030, până la data de 31 decembrie 2018. Proiectele PNIESC stabilesc obiectivele și contribuțiile naționale la realizarea obiectivelor UE privind schimbările climatice. În consecință, România a transmis propriul proiect PNIESC la acea dată.

**Strategia Energetică a României 2020- 2030, cu perspectiva anului 2050** este un document programatic care definește viziunea și stabilește obiectivele fundamentale ale procesului de dezvoltare a sectorului energetic. De asemenea, documentul indică reperele naționale, europene și globale care influențează și determină politicile și deciziile din domeniul energetic.

**Viziunea Strategiei Energetice a României** este de creștere a sectorului energetic în condiții de sustenabilitate, creștere economică și accesibilitate, în contextul implementării noului pachet legislativ Energie curată pentru toți europenii 2030, cu stabilirea țintelor pentru reducerea emisiilor de gaze cu efect de seră, a surselor regenerabile de energie și a eficienței energetice precum și cu perspectiva implementării de către România a Pactului Ecologic European 2050.

***Obiectivele Strategiei Energetice sunt:***

1. Asigurarea accesului la energie electrică și termică pentru toți consumatorii;

2. Energie curată și eficiență energetică;

3. Modernizarea sistemului de guvernanță corporativă și a capacității instituționale de reglementare;

4. Protecția consumatorului vulnerabil și reducerea sărăciei energetice;

5. Piețe de energie competitive, baza unei economii competitive;

6. Creșterea calității învățământului în domeniul energiei și formarea continuă a resursei umane calificate;

7. România, furnizor regional de securitate energetică;

8. Creșterea aportului energetic al României pe piețele regionale și europene prin valorificarea resurselor energetice primare naționale.

**X.** Lucrări necesare organizării de șantier:

Panourile fotovoltaice vor fi fixate pe o structură metalică prefabricată special proiectată pentru

instalaţii fotovoltaice, care respectă azimutul şi structura acoperișului pe care va fi amplasată, precum şi cerinţele legate de greutatea ansamblului de module fotovoltaice şi de încărcările suplimentare generate de factorii meteorologici – vânt, zăpadă, chiciură.

Structura de montare asigura o înălțime corespunzătoare a marginii inferioare a panourilor fotovoltaice fața de suprafață acoperișului, pentru a permite o funcționare optimă în perioadele cu

căderi de zăpadă mai mari decât mediile înregistrate. Structurile suport ale panourilor fotovoltaice se vor construi cu orientare sudică, pe structura modulară, cu module construite identic, ceea ce permite replicarea la un cost redus. Orientarea structurii este unidirecțională, cu înclinație de maxim 32 grade, fixă de tip K2 lestat.

**XI.** Lucrări de refacere a amplasamentului la finalizarea investiției, în caz de accidente și/sau la încetarea activității, în măsura în care aceste informații sunt disponibile:

* ***Nu este cazul.***

**XII.** Anexe - piese desenate:

**1.** In functie de categoria si clasa de importanta a obiectivului de investitii, piesele desenate se vor prezenta la scari relevante in raport cu caracteristicile acestuia, cuprinzand:

1. plan de amplasare in zona;

2. plan de situatie;

3. planuri generale, fatade si sectiuni caracteristice de arhitectura cotate, scheme de principiu pentru rezistenta si instalatii, volumetrii, scheme functionale, izometrice sau planuri specifice,

dupa caz;

4. planuri generale, profile longitudinale si transversale caracteristice, cotate, planuri specifice, dupa caz.

**XIII.** Pentru proiectele care intră sub incidența prevederilor [art. 28](https://lege5.ro/Gratuit/geydqobuge/ordonanta-de-urgenta-nr-57-2007-privind-regimul-ariilor-naturale-protejate-conservarea-habitatelor-naturale-a-florei-si-faunei-salbatice?pid=48878121&d=2018-12-11#p-48878121) din Ordonanța de urgență a Guvernului nr. 57/2007 privind regimul ariilor naturale protejate, conservarea habitatelor naturale, a florei și faunei sălbatice, aprobată cu modificări și completări prin Legea [nr. 49/2011](https://lege5.ro/Gratuit/ge2donzuge/legea-nr-49-2011-pentru-aprobarea-ordonantei-de-urgenta-a-guvernului-nr-57-2007-privind-regimul-ariilor-naturale-protejate-conservarea-habitatelor-naturale-a-florei-si-faunei-salbatice?d=2018-12-11), cu modificările și completările ulterioare, memoriul va fi completat cu următoarele:

**Nu este cazul.**

**XIV.** Pentru proiectele care se realizează pe ape sau au legătură cu apele, memoriul va fi completat cu următoarele informații, preluate din Planurile de management bazinale, actualizate:

**Nu este cazul.**

**XV.** Criteriile prevăzute în anexa nr. 3 la Legea nr. . . . . . . . . . . privind evaluarea impactului anumitor proiecte publice și private asupra mediului se iau în considerare, dacă este cazul, în momentul compilării informațiilor în conformitate cu punctele III-XIV.

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|  | Semnătura și ștampila titularului . . . . . . . . . . |