

# CREATIVE YOUTH, I.E. THE FINALS OF THE ENGINEERS FOR INDEPENDENT POLAND AND YOUNG INNOVATOR COMPETITIONS

## KREATYWNA MŁODZIEŻ, CZYLI FINAŁY KONKURSÓW INŻYNIEROWIE DLA NIEPODLEGŁEJ POLSKI I MŁODY INNOWATOR

**On May 18, 2022, at the Warsaw House of Technology NOT, a gala was held with the winners and finalists summarizing two competitions for primary and secondary school students, organized by FSNT-NOT. The winners of the competition for the board game "Engineers for Independent Poland" and the 15<sup>th</sup> edition of the "Young Innovator" competition met**

The "Engineers for Independent Poland" competition consisted in developing a board game devoted to the history of Polish technical thought, biographies and the achievements of famous inventors and constructors operating in the country and abroad. The aim of the competition was to recall the role of Polish engineers in the past and to disseminate knowledge about their contribution to the construction of the Second Polish Republic.

46 teams of young artists from primary and secondary schools (general secondary schools, technical secondary schools and first-cycle industry schools) entered the competition. In the three-stage qualifying rounds to the finals, the Competition Jury selected 10 works, which were assessed by the Jury, which included: Ewa Mańkiewicz-Cudny – chairwoman of the Competition Committee (president of FSNT-NOT), Bronisław

Hynowski (president of the Society for Technical History and Culture) and Tomasz Misterka – game development expert. The youth showed exceptional knowledge, imagination and creativity in implementing ideas for creating both a board game and innovative solutions. The participants of the competition "Engineers for Independent Poland" significantly deepened their knowledge about Polish inventors and engineers, contribution to the construction of independent Poland and their involvement in the civilization development of the world.

### Laureates of the competition for a board game entitled "Engineers for independent Poland"

In the primary school category:

- **The team consisting of:** Karolina Stelmachowicz, Michał Romaniuk, Filip Dziemidowicz from the Public Primary School named after Bolesław Krzywousty in Wolin won **the first place** for the game Engineers of Independent Poland, PSP Wolin, prepared under the supervision of Fr. Marcin Miczkuła, MA.
- **2<sup>nd</sup> place:** Maksymilian Sobociński from the Private Primary School with Bilingual Branches No. 2 in Krakow for the





game *Engineers for Independent Poland*, prepared under the supervision of Joanna Kozłowska, MA.

- **3<sup>rd</sup> place:** Małgorzata and Mateusz Drzewiecki and Milena Zdanowicz from Primary School No. 79 in Gdańsk for the game *Pyramid of Inventions*, prepared under the supervision of Mrs. Magdalena Bocheńska.

In the category of post-primary school:

- **The team consisting of:** Martyna Czekąła, Aleksandra Weres from the Center for Vocational and Continuing Education in Strzelce Opolskie won **the first place** for the game *"Interwar*

*Departure"* prepared under the supervision of Grzegorz Łukasik.

- **2<sup>nd</sup> place:** Kornelia Czaja, Weronika Gwóźdź from II High School for them. A. Mickiewicz in Słupsk for the game *"World of Inventions"* prepared under the direction of Iwona Tłuchowska.
- **3<sup>rd</sup> place:** Patryk Rutkowski, Maciej Szczęsny, Dominik Szumczyk from the School Complex no. 1 them. prof. B. Krupiński in Lubin for the game *"Engineers"* prepared under the supervision of mgr inż. Justyna Kędzisz.



## XV edition of the YOUNG INNOWATOR competition

For the 15<sup>th</sup> time, FSNT-NOT, together with the Association of Polish Inventors and Rationalizers (SPWiR) and the Society for Culture and History of Technology (TKiHT), organized the Polish Young Innovator competition. The competition was held under the slogan "I have an idea for an innovative solution" and the subject of the submitted idea could be any solution consisting in improving the existing one or developing a new project with the features of originality. The aim of the competition was to use and stimulate the creative abilities of children and adolescents.



### SPECIAL AWARD THE PRESIDENT OF FSNT-NOT

Jan Ignacy ŁUBIŃSKI (3<sup>rd</sup> grade), Bartosz KOSTARCZYK (3<sup>rd</sup> grade), Robert MIŚKIEWICZ (3<sup>rd</sup> grade) from the 3<sup>rd</sup> Liceum Ogólnokształcące im. Navy in Gdynia for the project "EXTREMEBOX", prepared under the supervision of Anna Rzepa, Jakub Zdroik, and Adam Nawrot, PhD

### In the primary school category AWARD OF THE FSNT-NOT

Antoni JĘDRASZAK (4<sup>th</sup> grade) from the Primary School in Wierzonka for the project "FULL OF BOWL FOR PUPIL" prepared under the supervision of Ewelina Tyranowska, MA

#### 1<sup>st</sup> place

Zofia CHRAPKO (7<sup>th</sup> grade) from the Primary School Janusz Korczak in Józefosław for the project "MEASUREMENT OF THE INVISIBLE ELECTROMAGNETIC WAVE WITH A TAILOR METER AS A TEACHING AID FOR PHYSICS", prepared under the supervision of MSc. Marian Chrapko.

#### 2<sup>nd</sup> place

Monika NIEMIEC (7<sup>th</sup> grade) from the Primary School in the School and Kindergarten Complex in Paleśnica for the project "AIR-CONDITIONED SUIT FOR A FIREFIGHTER", prepared under the supervision of Andrzej Niemiec

#### 3<sup>rd</sup> place

Ignacy JEZNACH (5<sup>th</sup> grade), Sebastian KRÓL (5<sup>th</sup> grade), Michał JĘDRASIK (5<sup>th</sup> grade) from Primary School No. 2 in Radzymin for the project "ECOLOGICAL AIR PURIFIER" prepared under the supervision of Aleksandra Starszak, MA

### In the general secondary school category

#### 1<sup>st</sup> place

Konrad OLIFIER (2<sup>nd</sup> grade), Michał ŁUKASZUK (2<sup>nd</sup> grade), Jakub KOKOSZKIEWICZ (2<sup>nd</sup> grade), Paweł BUCZYŃSKI (2<sup>nd</sup> grade), Ewa KARP (2<sup>nd</sup> grade) from the Academic Secondary School of the Białystok University of Technology for the project "SENSORYCZNY TRANSLATOR" SIGN LANGUAGE - STJM", prepared under the supervision of Grzegorz Nowik, MA

#### 2<sup>nd</sup> place

Jan SZYDŁOWSKI (2<sup>nd</sup> grade) from the 1<sup>st</sup> Secondary School of General Education named after Fr. J. Kompała and W. Lipski, Karolina BŁASZCZYK (1<sup>st</sup> grade) from the 3<sup>rd</sup> High School, Karol WIECZOREK (2<sup>nd</sup> grade) of the Technical School Complex in Ostrow Wielkopolski for the project "HEALTHY FOOD ALL YEAR? YES - BIONIC CAPSULE - SALVINE", prepared under the supervision of MSc. Tomasz Szydłowski, Marcin Grzybek, MA

#### 3<sup>rd</sup> place

Alan SOLIŃSKI (3<sup>rd</sup> grade), Mateusz PIETRZAK (3<sup>rd</sup> grade), Szymon JANUSZEK (3<sup>rd</sup> grade) from the 3<sup>rd</sup> Liceum Ogólnokształcące im. Marynarki Wojennej in Gdynia for the project "RACKET WITH DRAFT VECTOR CONTROL - EDUCATIONAL PACKAGE FOR SECONDARY SCHOOLS", prepared under the supervision of Anna Rzepa, MA

### In the technical school category:

#### 1<sup>st</sup> place

Tytus SOKOŁOWSKI (3<sup>rd</sup> grade), Mikołaj STOLARCZYK (3<sup>rd</sup> grade), Kacper MURSZEWski (3<sup>rd</sup> grade) from the Mechatronic Technical School No. 1 in Warsaw for the project "GPS (Green Power Segments). DESIGN AND CONSTRUCTION OF A MODULAR TEACHING POST ON RENEWABLE ENERGY SOURCES AND ITS USE WITH INSTRUCTIONS FOR EXERCISES", prepared under the supervision of MSc. Eng. Kazimierz Okraszewski

#### 2<sup>nd</sup> place

Bartłomiej OW CZARZ (4<sup>th</sup> grade) from the Complex of Technical Schools No. 1 in Ostrow Wielkopolski for the project "SPOTBOT - INSPECTION ROBOT", prepared under the supervision of Dr. Paweł Sobczak

#### 3<sup>rd</sup> place

Mikołaj TUPAJ (3<sup>rd</sup> grade) from the Mechatronics Technical School No. 1 in Warsaw for the project "DESIGN AND CONSTRUCTION OF A HAND MOTION MODULAR TEAM FOR MECHANICAL HAND CONTROL", prepared under the supervision of Kazimierz Okraszewski, MSc, Eng.

### AWARDS BY THE ASSOCIATION OF POLISH INVENTORS AND RATIONALIZERS (SPWiR)

#### - Primary School category

Adrian DUDEK (7<sup>th</sup> grade) from Primary School No. 24 with Bilingual Units for them. Nicolaus Copernicus in Tarnów for the project "ECOLOGICALLY HEATED STATION OF PUBLIC COMMUNICATION", prepared under the supervision of Joanna Przygoda, MA

#### - High school category

Zofia DZIEKAN (3<sup>rd</sup> grade) from Secondary School No. 12 Henryka Sienkiewicza in Warsaw, Elżbieta DZIEKAN (3<sup>rd</sup> grade) from the Secondary School Complex for them. Adam Mickiewicz in Lubań Śląski for the project: "BOOK - AID FOR THE HATCHING OF BIRDS THANKING OF EXTINCTION. AUTOMATIC AND AUTONOMOUS BOOTH WITH ECOLOGICAL INSULATION, INCUBATOR AND GRAPHIC ANALYZER", prepared under the supervision of Paweł Sokołowski, MSc

#### - Technical school category

Piotr NIERADKA (3<sup>rd</sup> grade) Michał ŁOKAJ (3<sup>rd</sup> grade) Marek GOŁĘBIEWSKI (3<sup>rd</sup> grade) from the Regional Center for Vocational Education in Nisko for the project "DIGITAL SOUND PROCESSOR", prepared under the supervision of MSc. Eng. Marian Chrapko



For the finals of the 15<sup>th</sup> edition of the competition, after two-stage school and district verification, a total of 62 individual and collective works, prepared by students of primary, technical and secondary schools, were qualified. Most, 36 applications were received from technical schools, 14 from primary schools and 12 from high schools.

The Competition Jury assessed the works in terms of ingenuity, originality of the solution, usefulness, impact on the improvement of safety conditions, availability of the materials used, aesthetics of workmanship, prepared documentation and design, and teamwork skills. It is worth emphasizing that all the works that passed to the third stage were of high quality and demonstrated the creativity of children and youth, as well as the great commitment of their carers. The works prove that young people have many great ideas, and the idea of the competition "I have an idea for an innovative solution" is understood by the caregivers.

During the Gala, the Association of Polish Inventors and Rationalizers (SPWiR) also awarded and presented the winners.

*Developed by  
Janusz M. Kowalski*