

PRIZNANJA *Slovenija* INOVATIVNA

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Z novimi tehnologijami do neba

Inovacije severnoprimske regije Innovations of Northern Primorska region

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TIK d.o.o.

Avtomatski dozator cevi

Automated tube loading system

Inovatorji/Innovators:

Aleksander Ivančič , Tomaž Černilogar , Albert Kurinčič (TIK d.o.o.)

Matej Puc (MASTER PRODUCTION d.o.o.)

Srebrno priznanje

Silver Innovation Award

Vlaganje cevi na montažno linijo je v preteklosti potekalo izključno z ročnim vlaganjem. Razvoj in postavitev avtomatskega sistema z inovativnim sistemom zalogovnika, osamitve, individualnega pobiranja cevk in prenosom na transportni trak, popolnoma nadomesti ročno delo. Inovativne tehnične rešitve odpravljajo monotono delo in neposreden kontakt operaterke z izdelkom, ter omogočajo boljši nadzor procesa in dvig produktivnosti. Inovacija prinaša prijazno delovno mesto nadzora procesa z vrsto pozitivnih trajnostnih učinkov.

In the past, the insertion of tubing onto the assembly line was done manually. The development and installation of an automated system with an innovative system of storage, isolation, tube pick-up and transfer to a conveyor belt, completely replaces manual work. Innovative technical solutions eliminate monotonous work and direct contact between the operator and the product, allowing better process control and increased productivity. The innovation delivers a friendly workplace of process control with many positive sustainability effects.



ARCTUR d.o.o.
FLows
FLows

Srebrno priznanje
Silver Innovation Award

Inovatorji/Innovators:

Tomi Ilijaš, dr. Urška Starc Peceny, Vesna Kobal, Alen Slejko, Blaž Skočir, Tobija Ličen, Tjaša Zornik

FLows je napredna spletna aplikacija, ki združuje različne podatkovne vire in omogoča vizualizacijo ter analizo podatkov za turistično industrijo. V intuitivnem vmesniku prikazuje sezonska nihanja, gibanje obiskovalcev, vstopne in izstopne točke po času in lokaciji. Uporablja umetno inteligenco za napovedi na podlagi obogatenih zgodovinskih podatkov ter podpira reševanje lokalnih izzivov in učinkovito upravljanje turizma.

FLows is an advanced web application that integrates different data sources to visualise and analyse data for the tourism industry. It shows seasonal fluctuations, visitor movements, entry and exit points by time and location in an intuitive interface. It uses artificial intelligence to make predictions based on enriched historical data, supporting the resolution of local challenges and effective tourism management.



HIDRIA d.o.o.

Robotiziran portalni manipulator

Robotized gantry manipulator

Inovatorji/Innovators:

Silvin Šavle, Kristjan Božič, Ruben Desančić, Dejan Cupin, Dalibor Deronja, Boštjan Grižonič

Srebrno priznanje

Silver Innovation Award

Robotiziran portalni manipulator predstavlja veliko novost na evropskem trgu robotizacije proizvodnje. Manipulator rešuje aktualen izziv natančne in hitre manipulacije težkih komponent v avtomobilski industriji. Rešitev je plod povsem lastne izvedbe ter združuje izmenično posluževanje z izredno natančnostjo rotacije kosov, daljši hod od razpoložljivih serijskih rešitev ter prediktivni nadzor delovanja v realnem času.

The robotized portal manipulator represents a major innovation on the European manufacturing robotization market. The manipulator solves the challenge of precise and fast manipulation of heavy components in the automotive industry. The inhouse solution combines alternating picking service with extremely precise rotation of parts, a longer stroke than the widespread industry standard and predictive monitoring of operation in real time.



HIDRIA d.o.o.

Žarilna svečka s senzorjem tlaka 3V3

Pressure sensing glow plug 3V3

Inovatorji/Innovators:

Igor Zerjal, Jure Golob, Aljaž Podobnik, Boris Arko, Rok Pavlin, Rok Bizjak, Jernej Kusterle, Jaka Kleč

Srebrno priznanje

Silver Innovation Award

Hidria je nadgradila inovacijo Hidria Optymus PSG, ki je bila nagrajena z zlatim priznanjem GZS za najboljšo inovacijo v Sloveniji leta 2016. Hidria Optymus PSG je bila razvita za napajalno napetost 5V, na trgu pa se je pokazala priložnost uporabe te svečke tudi za vozila, ki imajo uporabljajo napetost 3.3V. Z inovativno rešitvijo se je izdelek z enim integriranim vezjem prilagodilo na napetost 3.3V, obenem pa se gabariti PCB-ja in celotnega izdelka niso spremenili.

Hidria upgraded its innovation Hidria Optymus PSG, which was awarded the gold award of the Chamber of Commerce and Industry for the best innovation in Slovenia in 2016. Hidria Optymus PSG was developed for a supply voltage of 5V, but the market showed an opportunity to use it also for vehicles with 3.3V. A innovative solution with a single integrated circuit was adapted to a voltage of 3.3V, while the dimensions of the PCB and the entire product did not change.



HIDRIA d.o.o.

Upravljanje projektnega portfelja
PPM (Project Portfolio Management)

Srebrno priznanje
Silver Innovation Award

Inovatorji/Innovators:

mag. Marko Unterlechner, Tomaž Munih, Saša Backer, Matej Milavec, Tomaž Sabadin, Robert Koren, Janez Urbas, Aleksandar Vučkovski (HIDRIA d.o.o.)

Martin Kotrč, Vlastimil Poláček, Martin Čuchran, Mário Majerčík, Martin Winzig, Adam Vlasák, Martina Cebuláková, Michal Říha, Martin Répal (Inzagí, s.r.o.)

Inovacija zajema popolnoma novo razvito programsko rešitev v oblaku za podporo upravljanja portfelja razvojnih projektov, vodenja projektov industrializacije proizvodov ter novo razvito orodje za standardizirano poročanje najvišjemu vodstvu. Omenjena aplikacija ima že pripravljene vse nastavke za polno integracijo v MS Teams ter integracijo z orodji umetne inteligence.

The innovation includes a completely new cloud-based software solution to support portfolio management of development projects, project management for product industrialization, and a newly developed tool for standardized reporting to top management. The application is also ready for full integration into MS Teams and integration with artificial intelligence tools.



KOLEKTOR d.d.

BotKo

BotKo

Inovatorji/Innovators:

Jure Purgar, Andrej Čuk

Srebrno priznanje

Silver Innovation Award

Inovacija omogoča enostaven dostop do informacij prek pogovornega asistenta. Zaposleni lahko hitro in učinkovito pridobijo potrebne informacije, saj sistem uporablja napredne tehnologije za iskanje in procesiranje jezika. To povečuje produktivnost in zmanjšuje frustracije, ki nastanejo zaradi razpršene dokumentacije. Sistem združuje vse vire informacij na enem mestu, kar omogoča hitrejše in bolj natančno iskanje. Zaposleni tako prihranijo čas in se lahko osredotočijo na pomembnejše naloge.

Innovation enables easy access to information through a conversational assistant. Employees can quickly and efficiently obtain the necessary information as the system uses advanced search and language processing technologies. This increases productivity and reduces frustration caused by scattered documentation. The system consolidates all information sources in one place, allowing for faster and more accurate searches. Employees save time and can focus on more important tasks.



INCOM d.o.o.

Odlični okusi v plasteh **Delicious flavors in layers**

Inovatorji/Innovators:

Jurij Vetrih, Jože Peljhan, Nataša Kofol Ščuka, Iris Kavčič, Jana Damiš, Tamara Juričič Bellomo, Petra Komel Gentilini

Srebrno priznanje

Silver Innovation Award

LEONE sladoledni lonci so prava senzacija za sladkosnede! Z inovativno sestavo, premišljeno polnitvijo v plasteh in hrustljivo »crack« čokolado ponujajo unikatno doživetje, ki razveseli vse čute. Kombinacija razkošnih okusov in skrivnostnih sestavin, ki jih odkrijete ob degustaciji, ustvarja popolno sladico za vsak trenutek. Tehnična dovršenost in vrhunska kakovost pa jih uvrščata med najbolj inovativne izdelke na trgu.

LEONE ice cream cups are a true sensation for dessert lovers! With their innovative composition, carefully layered fillings, and crispy »crack« chocolate, they offer a unique experience that delights all the senses. The combination of luxurious flavors and secret ingredients revealed during tasting creates the perfect treat for any occasion. Their technical excellence and superior quality place them among the most innovative products on the market.



INCOM d.o.o.

AL!VE namazi brez slabe vesti

Guilt-Free Spreads

Inovatorji/Innovators:

Iris Kavčič, Jana Gregorič, Sean Čebtron, Eva Šnajder

Srebrno priznanje

Silver Innovation Award

Družini čokoladnih izdelkov AL!VE sta se pridružila dva proteinska namaza brez dodanega sladkorja – lešnik in pistacija. Ta inovativna izdelka sta namenjena vsem, ki iščejo alternativo običajnim namazom, a ne želijo sklepati kompromisov glede okusa. Bogata in kremasta tekstura v 200g stekleni embalaži ohranja svežino, hkrati pa je prijazna do okolja, saj je steklo 100% reciklabilno. Namaze AL!VE lahko uživamo samostojno ali kot dodatek k jedem, kot so palačinke ali ovsene kaše. AL!VE prinaša zdrav in funkcionalen prigrizek, prilagojen sodobnim prehranskim potrebam aktivnih posameznikov.

Two new guilt-free AL!VE protein spreads—Hazelnut and Pistachio—have joined our lineup! With no added sugar and a rich, creamy texture, they're a tasty alternative to conventional spreads. Packed in 200g recyclable glass jars, they stay fresh and eco-friendly. Enjoy them solo or with pancakes, porridge, and more. AL!VE offers a healthy snack for today's active lifestyle.



MAHLE Electric Drives Slovenija d.o.o.

Dvojni obrizg statorja električne oljne črpalke

Dual overmoulding of electrical oil pump stator

Inovatorji/Innovators:

Primož Pahor, Luka Cej, Andrej Krusič (MAHLE Electric Drives Slovenija d.o.o.)

Robert Čopi (MAHLE Electric Drives Bovec d.o.o.)

Dieter Hoehn (MAHLE Pumpensysteme GmbH (Nemčija))

Zlato priznanje

Gold Innovation Award

Električna oljna črpalka je oblikovana tako, da se vgradi v blok motorja ali drugo ohišje po principu kartuše. Uporabljamo jo povsod kjer je potrebno mazanje oz. hlajenje z oljem. Vrsta vgradnje zahteva kompakten dizajn in zadostno gostoto moči. To naš koncept dosega z združevanjem funkcij več sestavnih delov v eno komponento - polimerni obrizg. Tovrstna obrizga sta dva v dveh fazah izdelave izdelka.

The electric oil pump is designed in such way that can be mounted in the engine block or any other housing with so called cartridge design. The pump is used wherever lubrication or cooling using oil is needed. Mounting concept requires a compact design with high power density. Our concept achieves this with the integration of more functions into one single component - polymer overmoulding. Our innovation consists of two overmoulds in two stages of the production process.



GOSTOL-GOPAN d.o.o. Nova Gorica

STPN **STPN**

Inovatorji/Innovators:

dr. Aleš Turel, Tomaž Vodopivec, Klemen Krašna, Milenko Stanič, Valentin Kodrič, Nermin Mahmutović,
Armin Ajanović, Idnira Hodžić, Peter Dolenc, Dominik Knez
Antonio Pinato , Paolo Varotto (AMV Design s.r.l.)

Zlato priznanje

Gold Innovation Award

Nova pametna tunnelska peč (SMART TPN), z energetske varčno hibridno izolacijo (kamena volna in zračni žep) ter napredno regulacijo temperature predstavlja novi trend v pekarstvu. Vgrajene elektroinstalacije brez zunanjih kablov in integrirani gabaritni elementi omogočajo čist, higienski in sodoben industrijski dizajn.

The new smart tunnel oven (SMART TPN), featuring energy-efficient hybrid insulation (rock wool and an air pocket) and advanced temperature regulation, represents a new trend in baking. Built-in electrical installations without external cables and integrated dimensional elements ensure a clean, hygienic, and modern industrial design.



KOLEKTOR SIKOM d.o.o.

Avtomatizirana oskrba proizvodnje z AMR-jem

Automated Production Supply with AMR technology

Inovatorji/Innovators:

Jaka Jež, Kristjan Živalič

Srebrno priznanje

Silver Innovation Award

Kolektorjeva inovacija avtomatiziranega notranjega transporta z avtonomnimi mobilnimi roboti (AMR) optimizira logistiko, zmanjšuje stroške in rešuje problematiko kadrov. Popolnoma integriran sistem z WMS in ERP omogoča sledljivost in prilagodljivost proizvodnim potrebam brez neposrednega upravljanja zaposlenih. S tem povečuje učinkovitost, razbremenjuje delavce in prispeva k razvoju pametne industrije.

Kolektor's innovation in automated internal transport with autonomous mobile robots (AMRs) optimizes logistics, reduces costs, and addresses workforce challenges. The fully integrated system with WMS and ERP ensures traceability and adaptability to production needs without direct employee management. This increases efficiency, relieves workers, and contributes to the sustainable development of smart industry.



MAHLE Electric Drives Slovenia d.o.o.

Volanski povratni krmilni motor s polimernim ohišjem
Steering feedback actuator with polymeric housing

Inovatorji/Innovators:

mag. Sebastjan Mašera, Robert Vodopivec, Andraž Velikonja, Primož Palir

Zlato priznanje

Gold Innovation Award

Design elektromotorja z ohišjem izdelanim iz polimernih materialov z namenom znižanja teže in cene komponente, ob zagotavljanju enakih elektro-mehanskih lastnosti motorja kot pri izvedbi z aluminijastim ohišjem.

Electric motor design with a housing made of polymer materials in order to reduce the weight and cost of the component, while ensuring the same electro-mechanical properties of the motor compared to the version with an aluminum housing.

