

PLATINASTI DGNB CERTIFIKAT

Sistem certificiranja **DGNB** temelji na konceptu celostne trajnosti z enakim poudarkom na **okolju**, **ljudeh** in **ekonomski upravičenosti**, ki je nadalje povezana s **tehnično** in **procesno kakovostjo** ter **kakovostjo lokacije**. Uporablja se po vsem svetu in velja za najnaprednejšo **trajnostno shemo in orodje za zagotavljanje trajnosti stavb**.

PLATINUM DGNB CERTIFICATE

The **DGNB** Certification System is based on the concept of holistic sustainability, placing equal emphasis on the **environment**, **people** and **commercial viability**, which is further linked to **technical**, **process** and **location quality**. It is used worldwide and is **considered the most advanced of its kind**.

SHEMA SCHEME	LETO IZGRADNJE YEAR OF COMPLETION	BRUTO TLORISNA POVRŠINA GROSS FLOOR AREA	NETO TLORISNA POVRŠINA NET FLOOR AREA
NB115 Novozgrajena izobraževalne stavbe, verzija 2015 New construction Educational buildings, version 2015	2018	832 m ²	695 m ²

KAKOVOST LOKACIJE / SITE QUALITY 73,0 %

Objekt s svojo moderno obliko predstavlja prehod med industrijskimi površinami in stanovanjskim naseljem. Stavba tako fizično kot psihološko predstavlja blago vizualno in zvočno zaščitno bariero stanovanjskih hiš pred vplivi industrijskega kompleksa. Lokacijo stavbe odlikuje neposredna bližina avtobusne in železniške postaje, letališča, zadostne parkirne površine ter bližina rekreacijskih, storitvenih, trgovskih in gastronomskih površin.

With its modern design the building represents the transition between industrial areas and residential areas. The building physically and mentally presents a mild visual and sound protective barrier for residential houses from the impact of the industrial complex. The location of the building is distinguished by the immediate proximity of the bus and train station, the airport, adequate parking areas and in the proximity of recreational, service, commercial and gastronomic amenities.

TEHNIČNA KAKOVOST TECHNICAL QUALITY 73,4 %

S tehničnega vidika stavbo odlikujejo:

- > raznolik in izjemno kakovosten zunanji ovoj,
- > odlična toplotna in zvočna izoliranost,
- > izvedeni ukrepi za trajnostno mobilnost,
- > fleksibilni sistemi instalacij in
- > optimizirano in enostavno vzdrževanje in čiščenje.

Pretežno montažna gradnja in uporabljeni materiali, ki jih lahko recikliramo, omogočajo nezahtevno demontažo in razgradnjo ter, v določeni meri, ponovno uporabo materialov ob koncu njihove življenjske dobe.

From a technical point of view this building is distinguished by:

- > a diverse and very high quality external building envelope,
- > very good thermal and sound insulation,
- > implemented measures for sustainable mobility,
- > flexible installation systems,
- > optimized ease of maintenance and cleaning.

Use of largely prefabricated construction elements and recyclable materials make it easy to disassemble and degrade or re-use materials at end of building life.

PROCESNA KAKOVOST PROCESS QUALITY 69,0 %

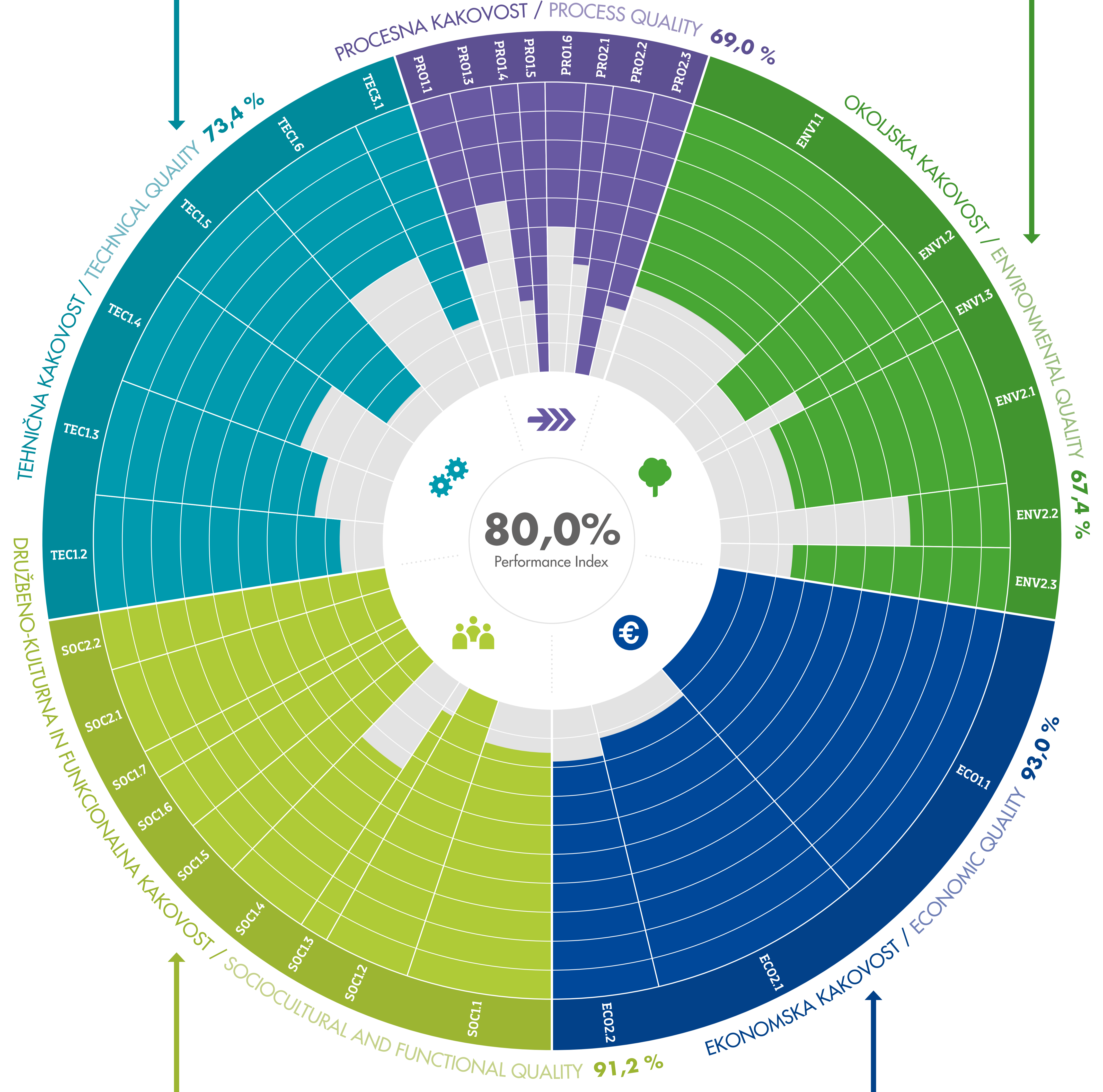
Da smo dosegli zeleno kakovost končnega izdelka (tj. trajnostne stavbe), smo sistematično vodili in nadzorovali celoten projekt – od integralnega oblikovanja z več konceptnimi različicami in simulacijami, do gradnje s poglobljenim nadzorom in tehnično podporo ter končnih testov učinkovitosti, podprtih z obsežno gradbeno dokumentacijo in dokumentacijo za uporabnike ter navodili in načrti za vzdrževanje.

In order to achieve the desired quality of the finished product – a sustainable building – the entire project was systematically run and supervised, from the integrated design with several conceptual versions and simulations to construction with in-depth control and technical support, and above all, with final performance tests supported by comprehensive building and user documentation and maintenance instructions and plans.

OKOLJSKA KAKOVOST ENVIRONMENTAL QUALITY 67,4 %

Izbira neoporečnih gradbenih materialov že v fazi načrtovanja stavbe in njihova pravilna vgradnja ključno vplivata na okolje in ljudi med celotno življenjsko dobo objekta. To je podkrepjeno s celovito LCA analizo (izračun vplivov na okolje v celotni življenjski dobi) in pridobljeno okoljsko in varnostno dokumentacijo za uporabljene gradbene materiale.

Choosing ecologically impeccable building materials in the planning stage of the construction project and their correct installation has a crucial impact on both the environment and people, throughout the life of the building. This was proven with LCA analysis and relevant environmental and safety documents on the building materials used.



DRUŽBENO-KULTURNA IN FUNKCIONALNA KAKOVOST 91,2 % SOCIOCULTURAL AND FUNCTIONAL QUALITY

Zaradi izvrstnih in neoporečnih materialov stavba zagotavlja visoko kakovost notranjega zraka, udobje uporabnika pri izbiri notranjih aplikacij in zunanjih površin, nadpovprečno varnost in neomejeno dostopnost za invalide in javnost. Obenem zgradba nudi visoko stopnjo toplotnega, zvočnega in vizualnega udobja.

The building offers users and the community superior indoor air quality thanks to the use of the finest building materials, excellent user control of indoor applications and use of outdoor surfaces, above-average security and unlimited accessibility for the handicapped and the general public. At the same time, the building also provides high thermal, acoustic and visual comfort.

EKONOMSKA KAKOVOST / ECONOMIC QUALITY 93,0 %

Analiza LCC (ocena stroškov v celotni življenjski dobi), ki poleg začetne finančne investicije obsega tudi stroške obratovanja, vzdrževanja, čiščenja, porabljenih energentov in pitne vode v celotni življenjski dobi objekta, potrjuje odlično ekonomsko kakovost stavbe, saj smo te stroške, visoko fleksibilnost uporabe in komercialno vzdržnost stavbe podrobno upoštevali že med samim načrtovanjem. Dodatno zelo ugodno vpliva na zmanjšanje tekočih stroškov obratovanja in na izjemno fleksibilnost uporabe in trženje stavbe tretjim osebam.

In addition to the initial financial investment, LCC analysis also considers the costs of operation, maintenance, cleaning, energy and drinking water throughout the life of the building. The analysis demonstrates the excellent economic quality of the building, as these costs, the high flexibility of use and the commercial viability of the building were already carefully taken into consideration from the planning stage on.

ENV1.1	Analiza vplivov življenjskega cikla / Life cycle impact assessment
ENV1.2	Vpliv na lokalno okolje / Local environmental impact
ENV1.3	Odgovorno naročanje / Responsible procurement
ENV2.1	Analiza življenjskega cikla – primarna energija / Life cycle assessment – primary energy
ENV2.2	Potreba po pitni vodi in količina odpadne vode / Drinking water demand and waste water volume
ENV2.3	Raba zemljišča / Land use
ECO1.1	Analiza stroškov življenjskega cikla / Life Cycle Cost
ECO2.1	Fleksibilnost in prilagodljivost / Flexibility and adaptability
ECO2.2	Ekonomska upravičenost / Commercial viability
SOC1.1	Toplotno udobje / Thermal comfort
SOC1.2	Kvaliteta notranjega zraka / Indoor air quality
SOC1.3	Zvočno udobje / Acoustic comfort
SOC1.4	Vizualno udobje / Visual comfort
SOC1.5	Uporabniški nadzor / User control
SOC1.6	Kakovost zunanjih površin / Quality of outdoor spaces
SOC1.7	Varnost in zaščita / Safety and security
SOC2.1	Zasnova za vsakogar / Design for All
SOC2.2	Javna dostopnost / Public access

TEC1.2	Zvočna izolativnost / Sound insulation
TEC1.3	Kakovost zunanega ovoja / Building envelope quality
TEC1.4	Prilagodljivost tehničnih sistemov / Adaptability of technical systems
TEC1.5	Čiščenje in vzdrževanje / Cleaning and maintenance
TEC1.6	Razgradnja in demontaža / Deconstruction and disassembly
TEC3.1	Mobilnostna infrastruktura / Mobility infrastructures
PRO1.1	Celovita zasnova projekta / Comprehensive project brief
PRO1.3	Koncept zasnove / Design concept
PRO1.4	Trajnostni vidiki v fazi razpisa / Sustainability aspects in tender phase
PRO1.5	Dokumentacija za upravljanje objekta / Documentation for facility management
PRO1.6	Postopek za urbani razvoj in oblikovne zasnove / Process for urban development and design concept
PRO2.1	Vpliv gradnje na okolje / Environmental impact of construction
PRO2.2	Zagotavljanje kakovosti gradnje / Construction quality assurance
PRO2.3	Sistematični zagon / Systematic commissioning
SITE1.1	Lokalno okolje / Local environment
SITE1.2	Javna podoba in družbene razmere / Public image and social conditions
SITE1.3	Prometni dostop / Transport access
SITE1.4	Dostop do storitev / Access to amenities

DEMONSTRACIJSKA ZASNOVA STAVBE

Pri sami zasnovi in projektiranju objekta smo izhajali iz demonstracijskih vidikov sistemov koncerna Knauf in predvsem z vidika trajnostne gradnje. Zunanji ovoj stavbe tvori 6 različnih izvedb fasade in 2 različni izvedbi ravnih streh. Pri predelnih stenah in spuščeni stropih smo uporabili rešitve podjetij Knauf, Knauf Insulation in Knauf AMF.

DEMONSTRATIONAL BUILDING DESIGN

From the initial concept and design-stage of the building, we proceeded from the demonstration aspects of the Knauf Group's systems, in particular from the point of view of sustainable construction. The building's envelope consists of six different façade systems and two different flat roof build-ups. Knauf, Knauf Insulation and Knauf AMF solutions were used for partition walls and suspended ceiling.

