



Railway Institute – research and implementation



IK INSTYTUT KOLEJNICTWA

Characteristics of Railway Institute (IK)



- **We cover all branches of railway transport.**
- **We possess unique test posts and specialised laboratories.**
- **We are the authors of numerous research methods developed for over 50 years**
- **We employ professionals working in domestic and foreign specialist and interdisciplinary teams**
- **Due to various forms of co-operation with operational units, we know well Polish railway reality**



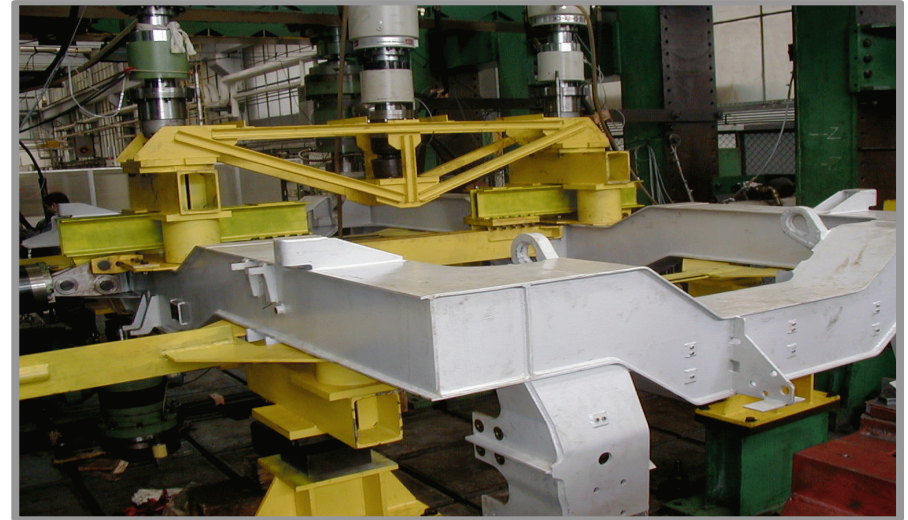
Attributes of IK developments



- **Certainty and explicitness of research results covering all aspects of problems under consideration.**
- **Application of available leading railway achievements.**
- **Conformity with the EU and other international standards.**
- **Strict meeting intellectual property rights.**
- **Implementation readiness achieved through:**
 - a) **current co-operation with clients,**
 - b) **organisation of trainings after completing many research projects,**
 - c) **concise and precise deliverables.**



IK Scientific and professional prestige



- Participation of IK specialists in elective PAN (Polish Academy of Sciences) bodies.
- IK employees' active membership in international railway organisations and holding responsible positions there.
- Co-operation with higher education in organising educational programs for railway staff.
- Obtained accreditations.



Certificates, notifications, authorisations, recognitions and accreditations



Polish Centre for Accreditation:

research laboratories	<ul style="list-style-type: none">■ Laboratory of Railway Signalling and Telecommunication■ Laboratory of Materials' and Structures' Research■ Laboratory of Rolling Stock Tests
calibration laboratory	<ul style="list-style-type: none">■ Laboratory of Metrology
product certification unit	<ul style="list-style-type: none">■ Quality and Certification Division



AC 128



AB 310
AB 369
AB 742



AP 024



Eisenbahn-Bundesamt

Recognition of German Federal Railway Office (EBA - Eisenbahn-Bundesamt) as a research unit for typical test procedures of rail vehicles



UIC homologation for rail brake friction coupled tests post



Notified Body No. NB 1467 for European Union railway directives



IK missions



IK missions:

- professional support for various entities, decision makers, transport organisers and carriers,
- support for investment projects,
- support for implementation of EU legislation,
- improvement of transport staff competence,
- transport safety and security improvement.



Areas of IK activity



Certification activity

Product Qualification and Conformity Assessment Certificates:

PCA accreditation No. AC 128

Technical Approvals:

conformity assessments for construction elements not covered by Polish Standards (PN)

Research activity

Badania taboru, dróg szynowych, systemów zasilania, urządzeń telekomunikacji i łączności, urządzeń i systemów srk, materiałów i elementów konstrukcji.
Tor doświadczalny w Żmigrodzie

Accredited laboratories

Laboratories:

Laboratory of Railway Signalling and Telecommunication; Materials' and Structures' Research Laboratory; Rolling Stock Tests Laboratory; Metrology Laboratory

Analyses, Opinions, Expert evaluations,

Rolling stock and railway infrastructure elements, electric traction and power supply, permanent way, carriers, signalling, telecommunication and radio-communication equipment and systems, materials and construction elements, environment protection, feasibility studies.

Standardisation and information activity

Carrying out the secretary of two Polish Standardisation Committee (PKN) Technical Committees: No. 61 for Railway Rolling Stock Electric Equipment and No. 138 for Railways. Reviews regarding requirements based on European legislation (as TSIs). Information about domestic and international standardisation works and rail transport standards. Library of books and periodicals comprehensive bibliography sets. Publications: „Problemy Kolejnictwa” (Railway Problems), „Informacja Ekspresowa” (Express Information), „Prace CNTK” (CNTK works), „Komunikat Normalizacyjny” (Standardisation Communiqué).



IK



Thank you for your attention

