



Rubber Consultants Engineering Research Projects

UNIDO PROJECTS

1984-1986 Development of industrial composite materials based on NR (UNIDO project)

1991-1994 Use of NR-based bearings for earthquake protection of small buildings (UNIDO project)

EU PROJECTS

1996-1999 Optimisation of energy dissipation devices, rolling systems and hydraulic couplers for reducing seismic risk to structures (EU project)

1999-2001 Environmentally acceptable bonding methods for rubber-based engineering products (EU project)

IRPA PROJECTS

2000-2001 Bridge Bearings for High Load and High Deflection Applications (IRPA project)

2000-2002 Design and manufacture of dock fenders (IRPA project)

2000-2002 Engineering Applications of Rubber Frictional Contact (IRPA project)

MULTI-CLIENT INDUSTRIAL PROJECTS

2001-2004 Modelling Rubber for FEA

MRB PROJECTS

2002-2005

TYRES

- T1 FAST CURING PRECURED TREAD COMPOUND FOR IMPROVED PRODUCTIVITY
- T2 PRECURED TREADS AND RETREAD MATERIALS TO MEET NEW MARKET DEMANDS
- T3 EVALUATION OF RCCB IN TREAD MATERIALS

IRG - AUTOMOTIVE

- A1 OPTIMISATION OF DESIGN AND MANUFACTURING OF MOUNTINGS AND BUSHES
- A2 DESIGN AND MANUFACTURE OF DAMPED PANELS
- A3 FEA FOR DESIGN OF DYNAMICALLY LOADED AUTOMOTIVE COMPONENTS
- A4 AUTOMOTIVE INDUSTRY & COMPONENTS – MARKET OPPORTUNITIES FOR MALAYSIAN COMPANIES
- A5 IMPROVING PRODUCTIVITY & EFFICIENCY OF RUBBER COMPONENT

MANUFACTURING

- A6 BONDING OF ADVANCED COMPOSITES
- A7 ELECTROCHEMICAL DEGRADATION

IRG – CIVIL

- C1 TECHNICAL PROMOTION OF BASE ISOLATION SYSTEM

IRG – TRANSPORT

- TR1 ASSESSMENT OF TECHNICAL REQUIREMENTS & DESIGN OF RAILWAY TRACK PRODUCTS

GRG

- G1 PROMOTION OF MALAYSIAN RUBBER PRODUCTS IN THE WEST
- G2 IDENTIFICATION OF NEW MARKETS FOR MALAYSIAN RUBBER PRODUCTS
- G3 HYDROPHILIC SEALS
- G4 WEATHER RESISTANT COLOURED RUBBER PRODUCTS
- G5 CONTINUOUS VULCANIZATION OF NATURAL RUBBER AND ITS BLENDS

ADVANCED MATERIALS

- AM1 DEVELOPMENT OF NRTPV TOWARDS COMMERCIALISATION
- AM2 PROMOTION OF TPE MATERIALS
- AM3 LATEX BASED ADHESIVES