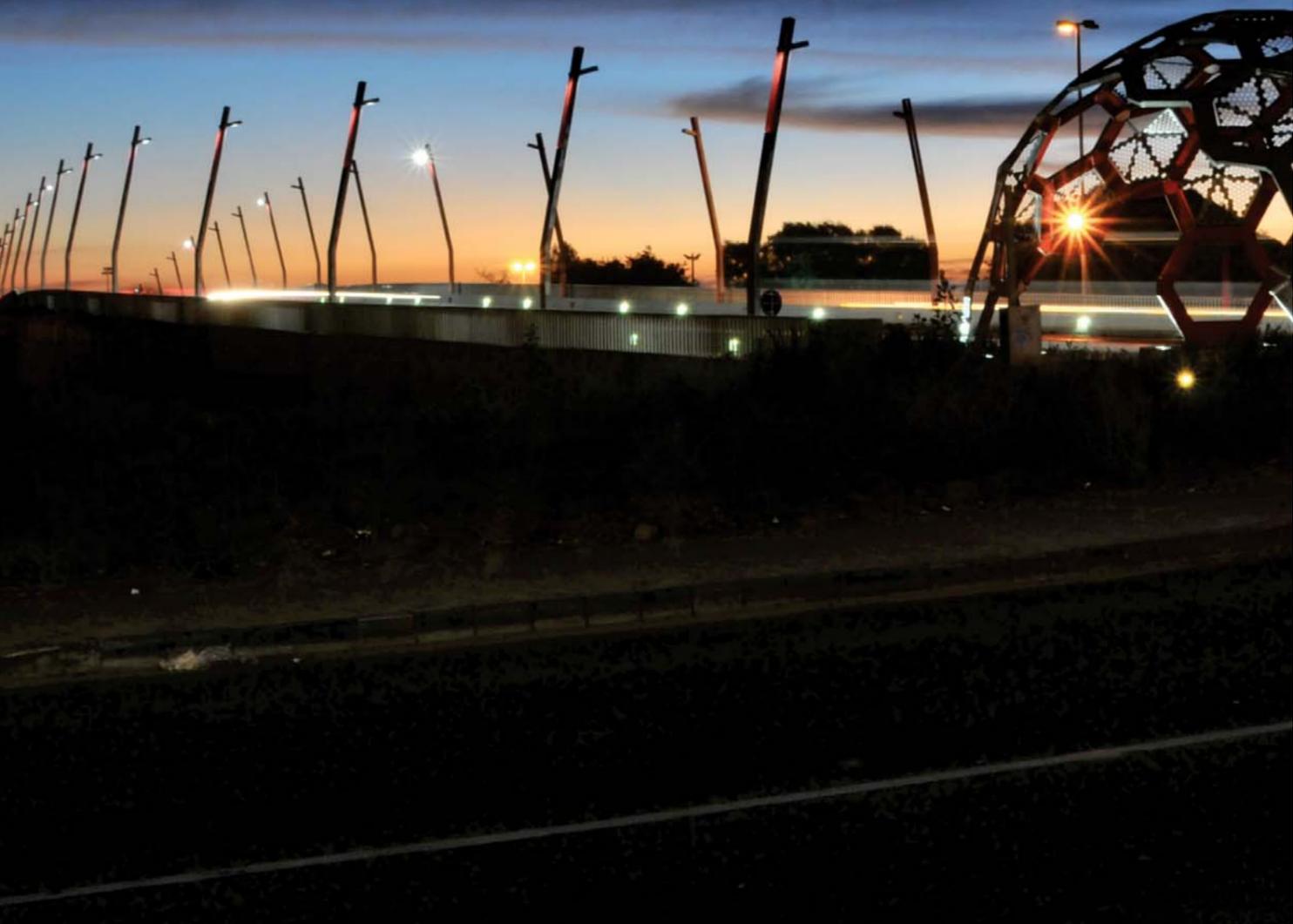


We believe in being at the forefront of innovation, enabling us to provide holistic, sustainable solutions for every project we engage in.

www.arup.com



Project Image: Polokwane Bridge

Johannesburg
+27 11 218 7600
johannesburg@arup.com

Cape Town
+27 21 409 3500
capetown@arup.com

Durban
+27 31 328 8700
durban@arup.com

Mauritius
+230 206 0592
portlouis@arup.com

Botswana
+267 395 3494
gaborone@arup.com

SMART INFRASTRUCTURE SOLUTIONS

Dinesh Chaithoo | Associate: Highways and Bridges | ARUP



How do your services aid in the construction or maintenance of roads, bridges and stormwater?

Underpinned by 40 years of technical highways and bridges experience, our services include planning and procurement, refurbishment and management of existing assets, development of policy and strategy for Intelligent Transport Systems (ITS) infrastruc-

skills by providing innovative solutions to challenging projects.

What specialised technology do you have on offer?

Research and advanced analysis are central to our work – we bring to bear the sharpest insight to address intractable problems. Arup's research, knowledge and skills management specialists in the highway discipline draw on

areas of specialisation. We are the creative force behind many of the world's most innovative and sustainable designs, from the built environment through to infrastructure development.

Tell us more about some of Arup's large project successes?

1 N14/R512 Interchange: Arup was appointed as a specialist



ture and tolling, and management of operation and maintenance periods. Arup is in a unique position to help pave the way for project financing and public-private partnership initiatives by drawing on genuine highway sector experiences. Our advice can improve focus on key issues, help mitigate risk and enable key investment decisions to be made, thus creating an integrated highways and bridges solution for a sustainable future with a focus on best-value and technical integrity.

What construction related services do the company offer?

Arup provides a professional construction supervision/monitoring service, specifically tailored to safeguard the successful completion of projects by highly experienced personnel. Project management in the construction environment is offered and is applied to planning, design and construction management, from inception through to completion of projects – all for the purpose of controlling, scheduling and managing the scope of works within budget, time and quality. We offer our broad-based knowledge and

close relationships with leading international establishments to stimulate outcome-focused projects. We use technology with care so that it benefits both road users and the environment. Whether innovating with technology or updating existing highways to extend their useful life, our holistic mindset generates new and robust solutions. As the transport sector evolves, new challenges arise that require non-traditional approaches and innovative solutions. We are committed to developing strategic, innovative, transparent and client-orientated solutions to complex challenges, thus adding value over the entire life cycle of a project. Our advanced technology, research and software development teams challenge the conventional – producing new ideas, technologies and software solutions for better and more efficient performance. Highways are just one of our

sub-consultant for the design and construction supervision of the new bridge and geometric improvements to the interchange

2 Coega Industrial Development Zone (CIDZ) and port: Arup provided technical, procurement, programme and project management services for the CIDZ and deep-water port. Arup prepared the conceptual master plan for the roads, utilities, rail, material-handling facilities and stormwater, as well as the undertaking of design reviews.

3 Western Bypass Road, Botswana: The dual-carriageway network involved a new Western Bypass Road and Nyerere Drive extension together with the upgrade of Nelson Mandela Drive, Molepolole Road and Old Lobatse Road. Arup was involved in the design and supervision of the 21 km of urban dual carriageway within the city.

sive global rail and local building experience, as well as planning and management experience of large infrastructure projects.

Does the company provide an after-sales service? Yes. My opinion is that the satisfaction of a client is so basic that it cannot be considered as a separate function. The essence of client service is central to the entire business. Arup ensures that in the current dynamic and challenging environment, we exceed client's expectations through effective service offerings. My thoughts are that the after-sales service support is a business opportunity and is key to client satisfaction, loyalty and linked to a profitable business. Arup assures its clients that it stands behind its service offerings and ultimately projects a reliable and high quality image. **35**

Arup is a global firm of designers, engineers, planners and business consultants providing a diverse range of professional services to clients around the world. Through an innovative and fully integrated approach, combined with a full complement of skills and knowledge to bring to bear on any given design problem, the company exerts a significant influence on the built environment. Arup brings together a new approach to creating sustainable communities and economies, supported by robust infrastructure and design settings where people want to be, spaces where people can afford to live, places in which people chose to stay – in short, communities that work. Arup integrates social, economic, environmental and timeframe considerations into projects, whether new or retro-fit, to give communities a sense of social and environmental well-being.