

# ДОСТИЖЕНИЕ НА СВЕТОВНАТА СЦЕНА

Съвместен проект на лаб. "CAD, CAM, CAE в индустрията", МТФ, с р-л доц. д-р Георги Тодоров и фирма [NEXEN Motor Corporation](#), UK в областта на подемната техника бе представен на най-авторитетното световно изложение в тази област [CeMAT 2011, Hannover](#), провеждано веднъж на три години.

Новата фамилия високоподигачи, проектирани от колектива на лабораторията са представени на корицата на авторитетното международно списание [ShD - Storage Handling Distribution magazine](#).

Проектът е внедрен в серийно производство в тайванския филиал на компанията [NEXEN Motor Corporation](#) с активното съдействие на нашите колеги, включително с участие на докторанти от ТУ-София.

Това е поредното свидетелство за високото ниво на учените и инженерите от ТУ-София, участващи със свои проекти в глобалната икономика и постигащи резултати от световна величина.



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handling front cover story

From humble beginnings, British forklift manufacturer **Nexen** has grown to become a force to be reckoned with in the materials handling industry. With its latest range of IC fork trucks, Nexen has revolutionised the time it takes for service and maintenance. At the recent CeMAT event in Hannover, they attracted the constant and enthusiastic attention of visitors drawn from all corners of the globe.

## The worldwide appeal of Nexen



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advertising feature handling

load capacities which, in conjunction with a variety of cover and protection options, make Nexen stand out from the crowd in the forklift range and truck body. All of these features combine to give Nexen a reputation for safety and reliability, as well as a complete and cost effective package.

Sectional front and side panels are typical of Nexen's innovations to it for ergonomic, wider base or an upright on the corner guard area is designed, then the whole unit need not be replaced.

**Latest technology**  
All Nexen machines offer the latest technology which improves service life maintenance. The engine compartment is easily accessible thanks to the high opening angle of the hood and, typically, a radiator can be changed in under 15 minutes rather than the usual four and a half.

Oil cooled disc brakes and a robust technology enhance the lifespan of all Nexen roller bearings offering longer life with heavier load bearing as well as being easier to change.

The CEI Street distributed motion

critical functions such as pressure and door handling, which alert the operator, then actually shut the truck down if the warning is ignored, preventing further costly damage. The floating cabin technology allows for an adjustable amount of which, returns, achieves more productivity. Nexen, says, "As a leader in the production of..."

These special technical advantages are supported by fast and easy servicing, structure off their staff, and a comprehensive warranty policy.

**Successful show**  
Nexen sales director Pam Clark observes: "This was one of the most successful shows Nexen has participated in to date. Visitors seemed genuinely inspired and impressed by the manufacturing quality of Nexen's products. The feedback was that people were looking for a truck that had continually in the marketplace and high quality coupled with unparalleled after sales support to the customer."

A team of 11 staff manned the stand, including members of the design and technical division who were on hand to answer questions from visitors and dealers regarding Nexen's full range of products. Visitors to the stand were also able to view a complete presentation of the innovative new models that will be launched later in the year. "Watch this space" on the way.

"Delegates enquiries came from a very wide range of territories, showing that we appeal to a worldwide audience" confirms Pam Clark. "Based on our 40 years of focused experience, we offer a unique formula of fast and caring attention to this crucial factor of outstanding technical achievement. The core aspects of design, manufacture and distribution are covered from beneath the same roof, enabling us to know what suits a company and specific situation down to the ground."

For future sale, Nexen's international development plans include contact space save versions of the "N" Range as innovative three and four wheel electric forklifts and articulated trucks, a four way telescopic extension to fit warehouse modern and reaching large capacity trucks up to 18 tonnes capacity.

Nexen's ultimate aim is to offering a plethora of solutions to all customers from the global Nexen manufacturing vision. ■

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## Forward Thinking

**Professor. Dr. Georgi Todorov : Lead Designer**

Here at Nexen we do not just accept the industry normal, we want to exceed it.

At every opportunity within the design and manufacturing process we strive to improve the experience of our customer, focussing on product quality, durability, ease of maintenance, driver comfort and of course operational efficiency.

We are working on some very exciting projects which will help prepare Nexen and its customers for some of the industrial challenges and changes of the future. The recently launched X-Range is just the start of the story.

Georgi is a senior academic in the fields of Mechanical Engineering and Applied Mathematics. He has spent many years working within the fields of industrial design, calculation, modelling, and prototyping products and systems.

He is the author of seven publications, multiple patents and numerous awards.


