



GETS THE JOB DONE BOTH OF THEM

THE ALL-NEW SANDVIK HSI CRUSHER RANGE



KEEP PACE WITH PRODUCTION

The all-new 700 range of HSI crushers offers new levels of safety and efficiency.

Developed to comply with new EU legislation, you can configure these smart, modular crushers to operate in a variety of applications in either primary or secondary crushing mode. The advantage: you quickly and economically adapt to production requirements, however and whenever they change.

HIGH REDUCTION RATIOS.

REDUCED POWER CONSUMPTION.

EASIER AND SAFER MAINTENANCE.

RANGE OF WEAR PARTS TO ENSURE OPTIMUM OPERATING COSTS.

DESIGNED FOR QUARRIES AND RECYCLING INDUSTRIES.



The new 700 range offers the same high reduction ratios, a smaller footprint, and reduced total power. Adding savings through its modular design and all-new compliant safety features, it drives down total cost of ownership.

ROWAN DALLIMORE, LIFECYCLE MANAGER

The perfect crusher for Primary (feed sizes up to 900 mm) and Secondary crushing for the limestone, recycling and cement industries.

Achieve 2 stage plants instead of the usual 3 stage plants in aggregate production. Thanks to high reduction ratios and good shape.

Produces more aggregate in the Primary stage than a Jaw crusher.



WORKING AS PRIMARY CRUSHER IN THE MORNING...

...AND AS A SECONDARY CRUSHER IN THE AFTERNOON.

CHANGE ITS FUNCTION IN 1 DAY

Built using a modular system, new HSI crushers can be ordered and shipped very fast. And changed even faster—in less than a day if you need to change duties from primary to secondary crushing.

Modularization means the same size bearings and shaft diameter are used between models, reducing stockholding and costs thanks to shorter delivery times.

It's faster and easier to order spare parts and receive aftermarket care. Designed to be placed in a flat rack container, you save on shipping time and expenses, further reducing cost of ownership.

SAFETY FIRST ALWAYS

Safer and easier to use, the new range of HSI crushers has been designed to comply with all upcoming EU health and safety rules.

The result is higher uptime, and lower cost of ownership from proven crushers that add even better performance and cost savings than before. The crushers come with a host of innovations for greater safety and efficiency including:

PATENTED ROTOR LOCKING AND POSITIONING DEVICE

This ensures that no hands need be placed on the rotor during maintenance. The locking feature locks the rotor in position before the crusher pivot is opened in the event of a blockage. The hammer position indicator shows hammer positions in the crusher before the crusher pivot frame is opened.

Up to **50%**
reduction in maintenance time compared to previous models

Up to **100%**
longer wear life for hammer wedges compared to previous models

HAMMER WEDGE HANDLING POSITIONING TOOL

This tool facilitates safer maintenance, easier fitting and removal.

Up to **80%**
reduction in rotor maintenance time

Up to **80%**
reduction in maintenance time

IMPROVED BEARING HOUSING

More accurate fitting of main bearings (clearance setting), with reduced assembly times. An improved bearing housing design means there is no need for pulley spacers to be fitted. New bearing sensors are fitted as standard allowing condition monitoring, avoiding costly breakdowns.

EVEN GREATER PERFORMANCE

High reduction ratios and single stage crushing for non-abrasive material in the aggregate industry allow private quarry owners and recycling plants to recirculate oversize to primary. This greatly reduces production capital outlay.

CRUSHING OF LOW ABRASIVE (AI) INDEX MATERIALS IN AGGREGATE PLANTS.

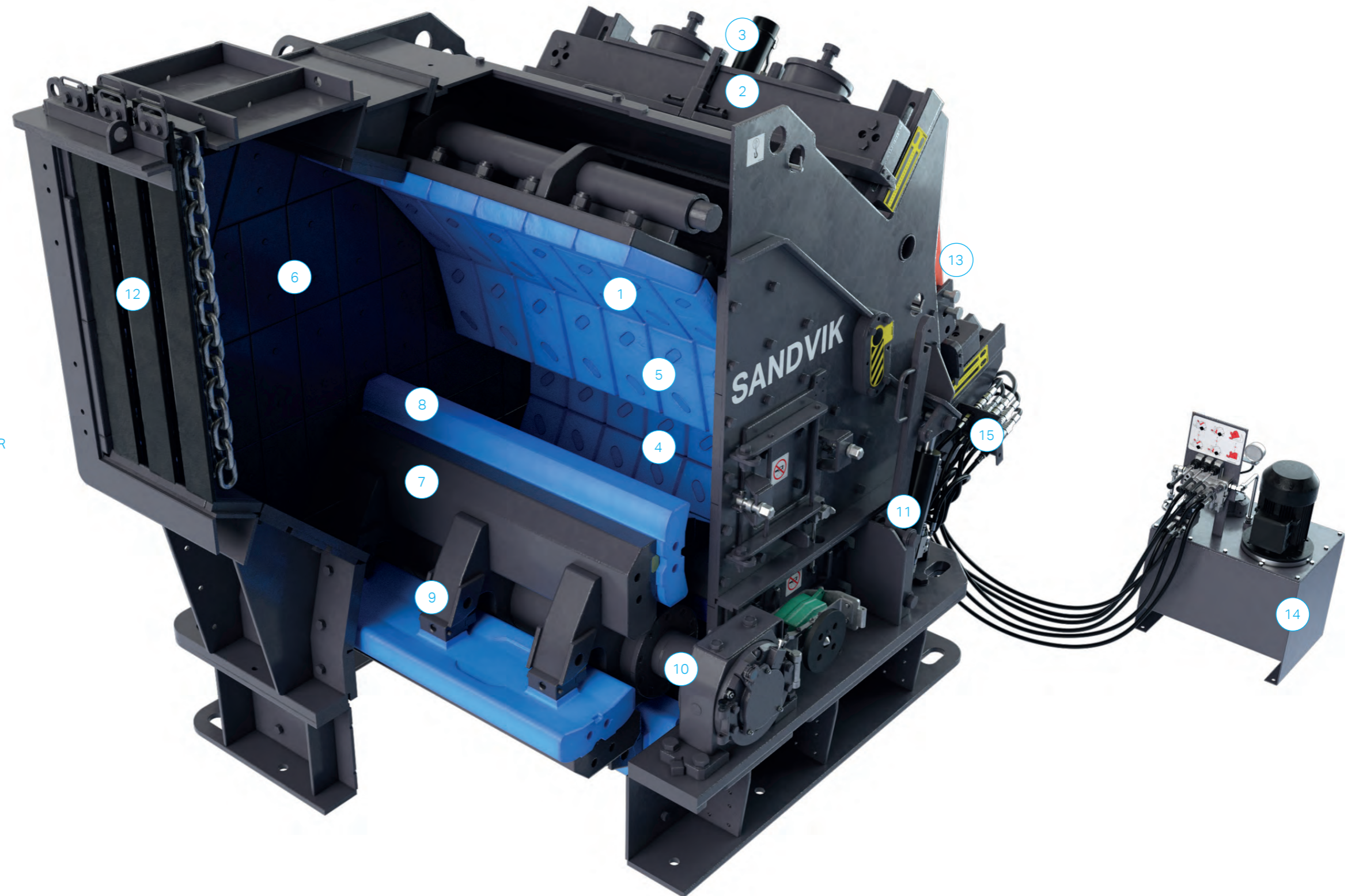
GOOD PRODUCT SHAPE—LOW FLAKE AND ELONGATION RATIOS.

ABILITY TO HANDLE RE-ENFORCED STEEL BARS ENABLING RECYCLING OF BOTH STEEL AND AGGREGATE.

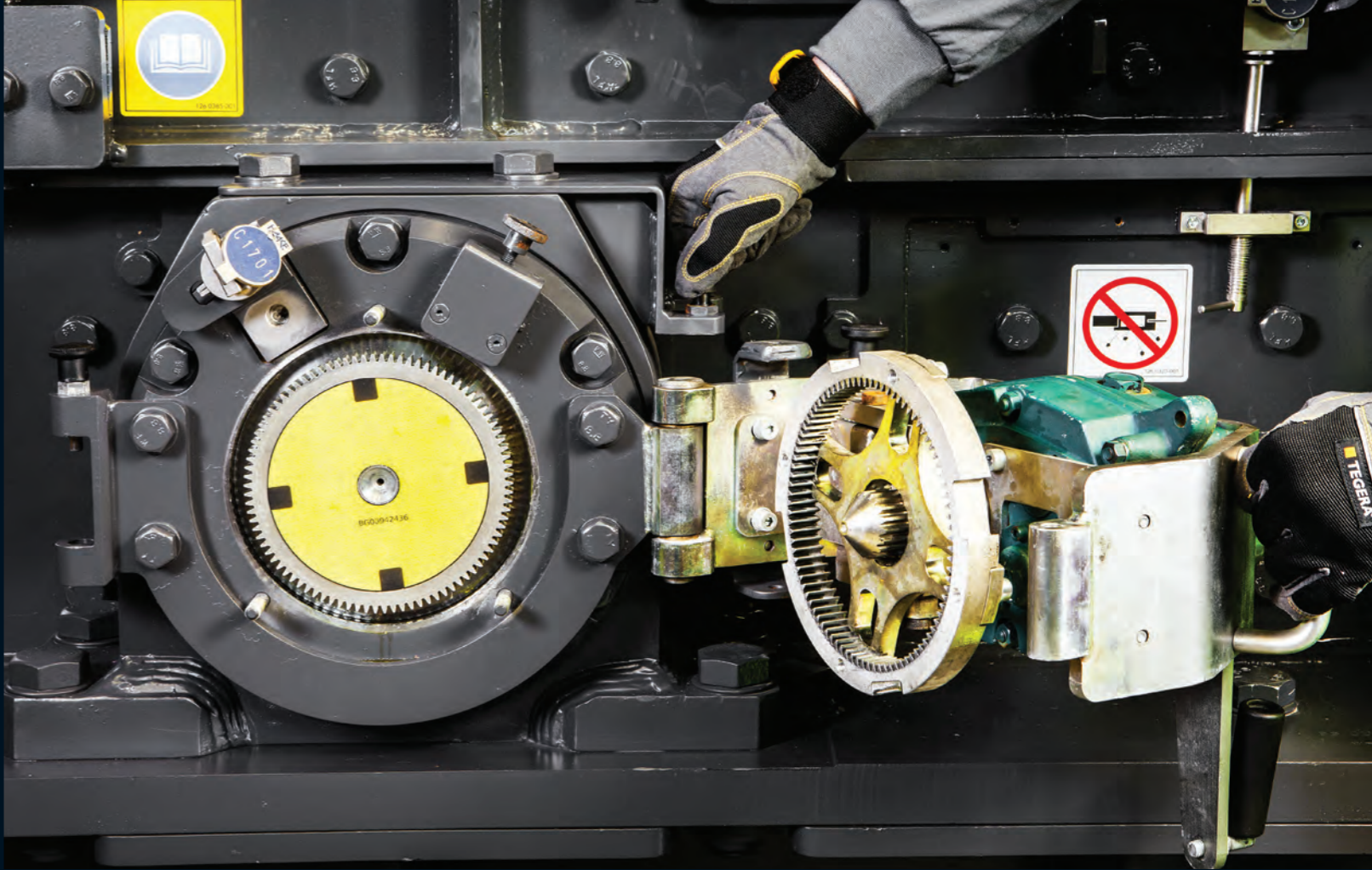
ABILITY TO RECYCLE OLD ROAD SURFACINGS (ASPHALT) FOR INCLUSION IN NEW ASPHALT PRODUCTS.



SANDVIK HORIZONTAL SHAFT IMPACT CRUSHERS (HSI)



1. FIRST CURTAIN
2. FIRST CURTAIN CROSS BEAM
3. FIRST CURTAIN ADJUSTMENT CYLINDER
4. SECOND CURTAIN
5. CURTAIN LINERS
6. FRAME LINERS
7. ROTOR
8. HAMMER
9. HAMMER LOCKING WEDGE
10. BEARING HOUSING
11. PIVOT FRAME CYLINDER
12. PRIMARY FEED HOPPER
13. HAMMER LIFTING JIB
14. ELECTRIC HYDRAULIC POWERPACK
15. QUICK RELEASE HYDRAULIC FITTINGS



OPTIONS TO GET THE JOB DONE BETTER

Choose from a complete range of options to boost crushing efficiency, extend parts life and adapt your crusher to meet your exact requirements.

HAMMER OPTIONS:

The standard hammer for stationary crushers (C17XX), is CRN-1 (Blue), with the option of CRS Ceramic (Green), or CRN-2 (Orange). CRN-2 (Orange) hammers can extend life due to the chemical composition and heat treatment process. This makes them harder, providing more wear life than the other hammer types.

LIFTING JIB AND SUPPORT BRACKET

Lifting jib and support bracket options can be fitted to either the left or right-hand side of the crusher depending on the crusher drive.

CHAIN BLOCK AND WHEELED PULLEY

The trolley and hoist are certified (S.W.L.) and designed for lifting the relevant size hammers during routine maintenance.

MOTOR MOUNTING AND DRIVE GUARD ASSEMBLY

The motor mounting plate can be fitted in four various positions around the crusher (front, back, left or right hand). The drive guard assembly is suitable for all available drive options.

DRIVE PULLEY OPTIONS

Select the correct drive for the operating frequency relevant in the country of operation.

ELECTRIC MOTORS

Energy efficient motors with a lower carbon footprint that comply with the latest international standards. Specific governments provide tax breaks/incentives for using this type of motor.

ELECTRIC CONTROL PANELS

Star Delta electric control panels specifically designed for use with Sandvik HSI crushers. Robust and strong, they can be easily connected on site, ensuring correct starting and electrical control of the crusher during normal operation.

PRIMARY CRUSHER RETURNS FEED CHUTE:

Returns feed chute options fit the top of the existing standard feed hopper and feeds the re-circulated material on top of the incoming primary feed material.

RETROFIT KIT

Previous crusher models can be retrofitted to the new hammer wedge and lifting too system.



The Sandvik impact box is extremely impressive—from the safety measures to performance & reliability levels to its versatility within the mobile market due to its ability to accommodate different size materials, to the ease of aftermarket support through the interchangeable wear plates.

PAT DOAB, MANAGING DIRECTOR,
CRUSHING TIGERS





The condition monitoring system, fitted as standard for both bearing housings across the complete range, provides vital information of bearing condition for planned maintenance. The system can easily be integrated to other existing control systems.

SANDVIK 365: SERVICE YOU CAN COUNT ON

People tell you stories about quality, commitment and innovation. But for the real story, take a close look at the numbers. In an industry where an hour of downtime can cost thousands, Sandvik 365 parts and services can save you millions, with around-the-clock service, qualified engineers and genuine parts on demand.

Find out more at rocktechnology.sandvik/en/parts-and-services

TECHNICAL DATA

Feed size	600 mm (23.6 in)	300 mm (11.8 in)	900 mm (35.4 in)	350 mm (13.8 in)	1,000 mm (39 in)	350 mm (14 in)
Capacity	< 200 tph	< 150 tph	200-400 tph	150-250 tph	400 - 700 tph	250 - 400 tph
Length	2.84 m (112 in)	2.84 m (112 in)	3.12 m (123 in)	3.12 m (123 in)	3.21 m (126 in)	4.07 m (160 in)
Width	2.00 m (79 in)	2.00 m (79 in)	2.37 m (93 in)	2.37 m (93 in)	3.22 m (127 in)	3.22 m (127 in)
Height	2.29 m (90 in)	2.29 m (90 in)	2.51 m (99 in)	2.51 m (99 in)	2.83 m (111 in)	2.84 m (112 in)
Weight	11,005 kg (24,262 lb)	11,184 kg (24,656 lb)	16,000 kg (35,274 lb)	16,256 kg (35,838 lb)	27,750 kg (61,178 lbs)	29,650 kg (65,367 lb)

See separate technical specification sheet for all technical data of the new HSI 700 range.





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