EURSTRCN

EMBRACING SUNLIGHT



Election solar Pope

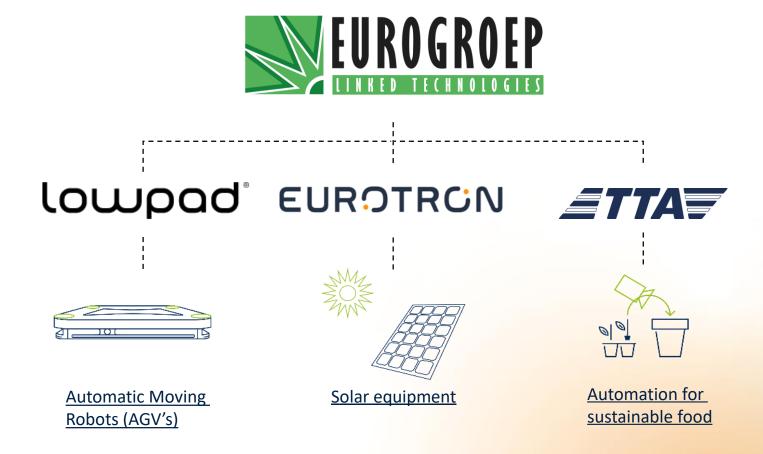


Election solar Pope





Member of Eurogroep





Milestones



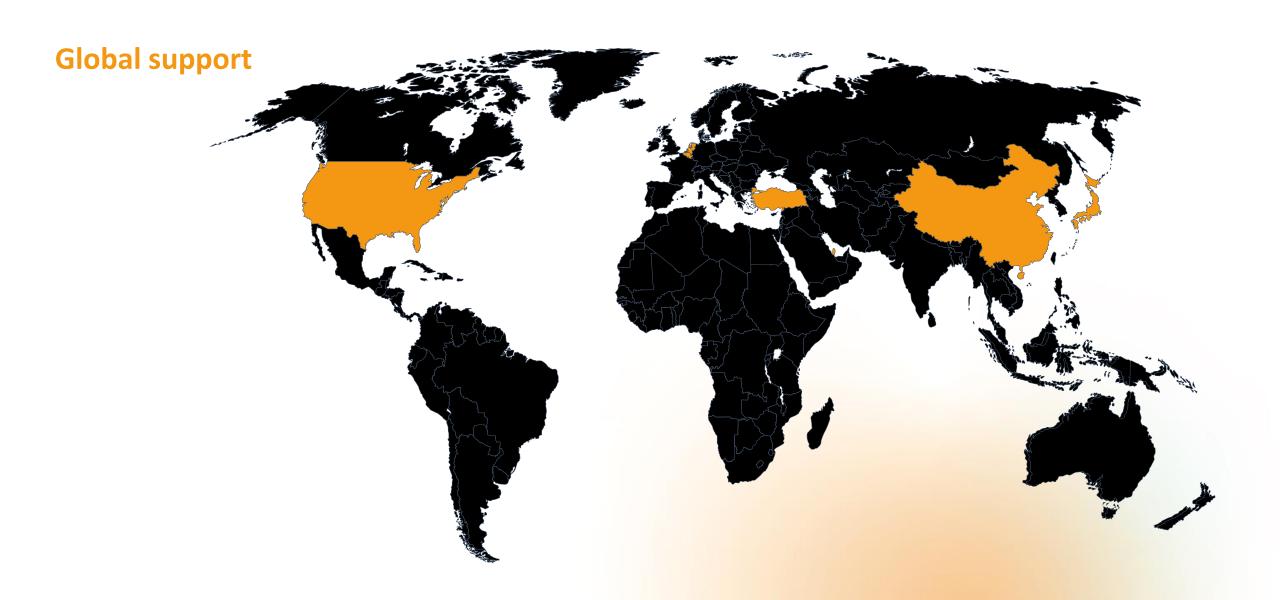


About Eurotron

- Global leader in manufacturing of back contact modules
- Eurotron platform ready for now and the future
- Back-contact: more power, more profit
- Internationally operating tier-one clients
- Member of Eurogroep















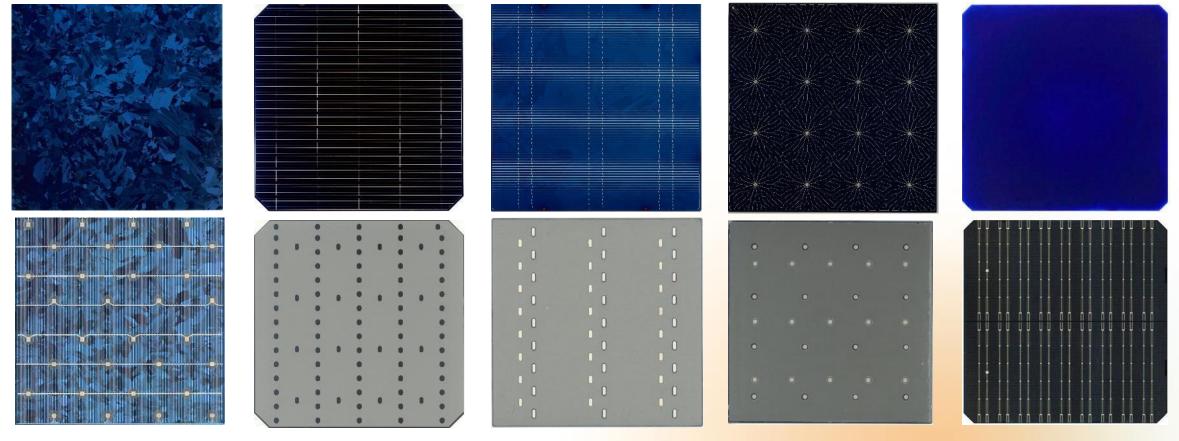
- Lasting generations of equipment
- Lasting generations of modules
- Lasting generations of use







Lasting generations of technology



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Lasting generations of technology

Build-in technology advantages

Reduction of serial losses

Lower NOCT

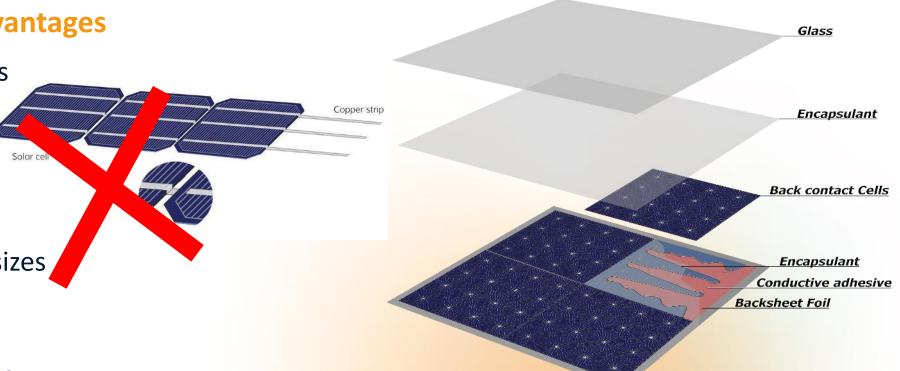
Better producability

Less cell breakage

Denser cell spacing

Allows for different cell sizes

- Less hotspots
- Flexible design
- Better optical appearance



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Lasting generations of technology

- Fully equipmed lab
- From 2x2's to full industrial module sizes
- Support of science institutes, solar challenge teams, material vendors and customers
- Extensive process knowledge
- Time saver for customers because of pre-production to apply for product certification
- Customer process mirroring







- Lasting generations of technology
- Lasting generations of equipment
- Lasting generations of modules
- Lasting generations of use







Lasting generations of equipment





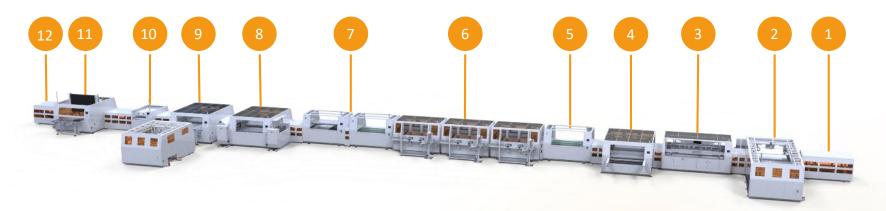
Lasting generations of equipment







Lasting generations of equipment



Process steps

- 1 Upwards elevator
- 2 Back sheet lay-up
- 3 Interconnection
- 4 Application of encapsulant
- Quality inspection
- 6 Cell positioning

- 7 Quality inspection
- 8 Encapsulant unwinding and application
- 9 Glass de-stacking and lay-up

- 10 Pre-tagging
- 11 Flipping
- 12 Downwards elevator





- Lasting generations of technology
- Lasting generations of equipment
- Lasting generations of modules
- Lasting generations of use



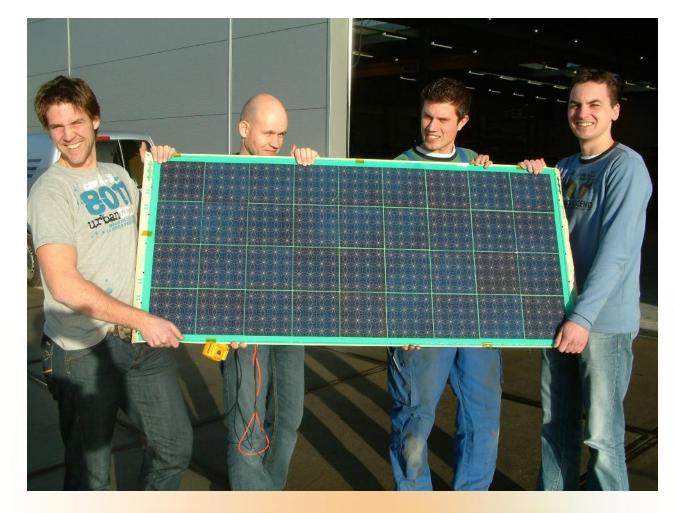




Lasting generations of modules

Eurotron's first foil-based back contact module

Build in Nov 2007
→ 15 years ago







Lasting generations of modules



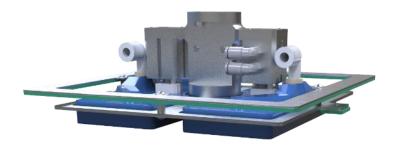
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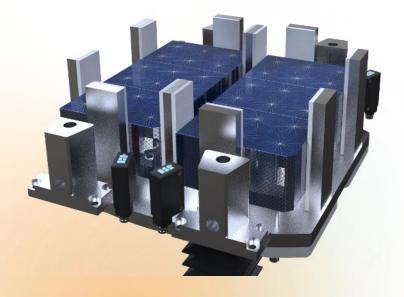


Lasting generations of modules

'One size fits all'

- 2x2's / 36 cell / 60 cell / 72 cell
- Modules up to 1.400x2.600 mm
- Half/third/quart cells
- Integrated roof solutions
- EV applications (flexibility)









- Lasting generations of technology
- Lasting generations of equipment
- Lasting generations of modules
- Lasting generations of use







Lasting generations of use

Test Report



File No.: SHV12063/17 Test Report No.: 492010958.002

nt + Test (after initial :	04/03/2018	Result -			Verdict		
	04/03/2018 Simulator / 1000 25.0						
:	Simulator / 1000 25.0	/ ☐ Natural su	nlight		-		
	1000 25.0	/ 🗌 Natural su	nlight		-		
:	25.0				-		
:	272.4				-		
	272.4						
Pmax(lab) lower limit [W]			272.4				
V _{OC} (lab) upper limit [V]			39.07				
I _{SC} (lab) upper limit [A]		9.89					
Vmp [V]	Isc [A]	Imp [A]	Pmp [W]	FF [%]	-		
31.14	9.43	8.88	276.4	77.16	Р		
31.28	9.43	8.89	277.9	77.36	Р		
-	-	-	277.2	-	Р		
	31.28	31.28 9.43	31.28 9.43 8.89	31.28 9.43 8.89 277.9 277.2	31.28 9.43 8.89 277.9 77.36		

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Test Report



File No.: SHV12063/17 Test Report No.: 492010958.002
IEC 61215-1, IEC 61215-1-1 & IEC 61215-2

Clause	Requirem	ent + Test	Result - Remark				
A 16 Static	mechanical lo	ad tost _MOT	16/MST3/				_
	mechanicar io		2				-
	M/DD/YYYY]		04/04/2018				_
	ad (downward)		3600 / 2400				
			300072400				-
Safety factor:			1.5				-
Mounting m	ethod		Frame mounting	ng holes (4 poi	nts)		-
Load applied to:			Downward Upward				-
Mechanical load [Pa]			5400		3600		-
1st cycle duration [hours]			1h		1h		-
Intermittent open-circuit?:			No		No		-
2 nd cycle duration [hours]			1h		1h		-
Intermittent open-circuit?:			No		No		-
3 rd cycle duration [hours]:			1	1h		1h	
Intermittent open-circuit?:			No		No		-
Supplement	ary information	: N/A					
4.1 Visual i	nspection (aft	er static mech	nanical load te	st) - MQT01/M	ST01		-
Test date [N	M/DD/YYYY]	:	04/08/2018				-
Sample #	ample # Nature and position of initial findings - comments or attach photos						
2 No visual defects							Р
Supplement	ary information	N/A					
4.2 Maximu	ım power dete	rmination (aft	er statistic me	chanical load	test) - MQT02	2/MST03	-
Test date [N	M/DD/YYYY]	:	04/08/2018				-
Amblent temperature [C]			Corrected to 25.0				-
Irradiance [W/m²]			Corrected to 1000				-
Sample #	Voc [V]	Vmp [V]	Isc [A]	Imp [A]	Pmp [W]	FF [%]	-
2	37.82	31.00	9.51	8.95	277.6	77.21	-
Supplement	ary information	: N/A					
4.3 Insulation test (after static mechanical load test) - MQT03/MST16							
Test date [N	M/DD/YYYY]	:	04/08/2018				-
Test voltage applied [V]		2 minutes of 1000 and 1 minute of 6000				-	
Sample #	Require	d [MΩ]	Measur	ed [MΩ]	Dielectric breakdown?		-
2	24	5	>1000		No		Р





Lasting generations of use

- Back contact = 2nd to none
- 30 Years of insured warrantee
- Extensive track record
- Build to withstand time





Lasting generations



