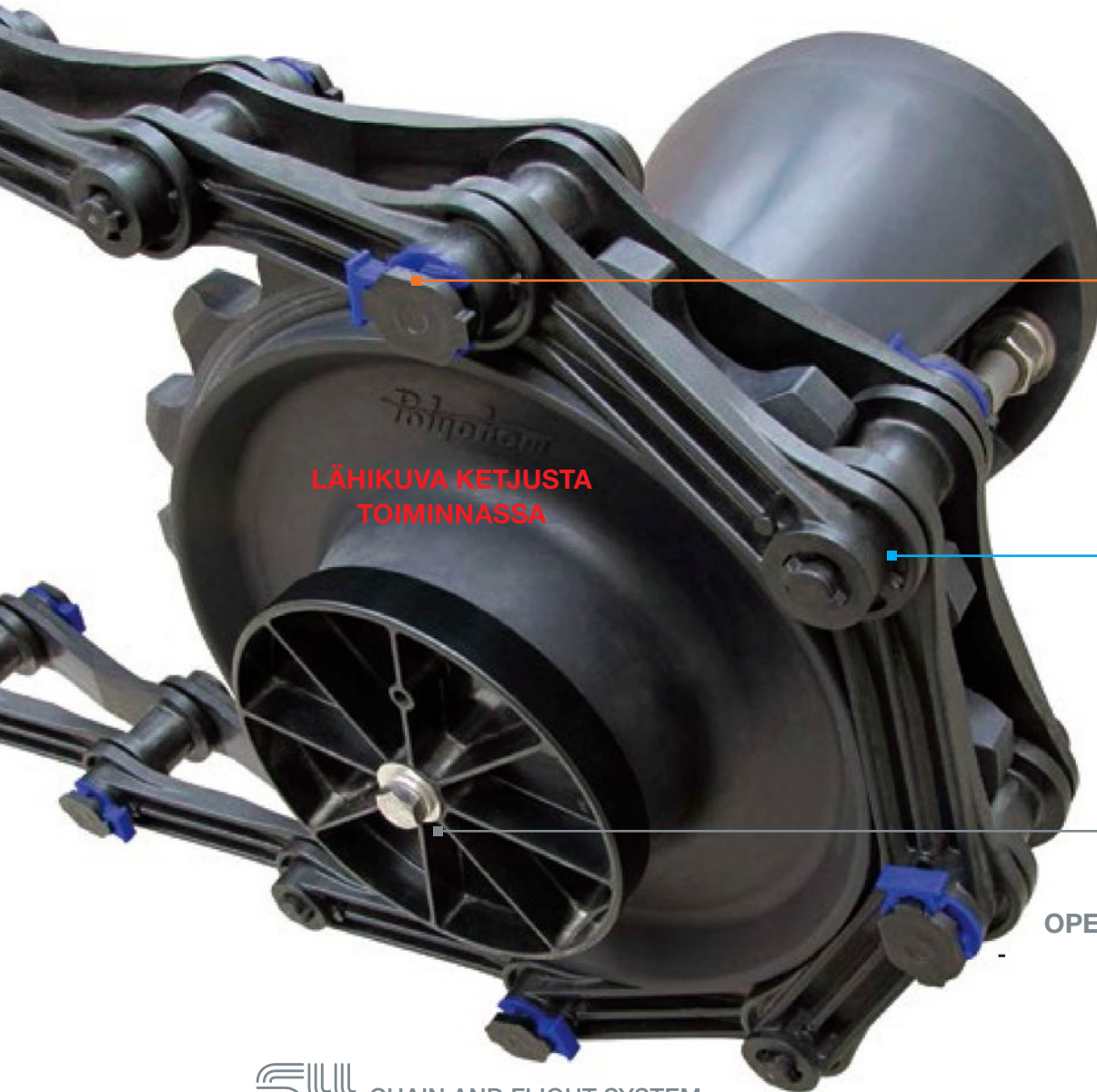




Effective sludge removal

SW PLASTIC CHAIN & FLIGHT SCRAPER SYSTEMS
for rectangular basins



**LÄHIKUVA KETJUSTA
TOIMINNASSA**



QUALITY

**Best materials
and workmanship**



DURABILITY

**High breaking load
Low wearing**



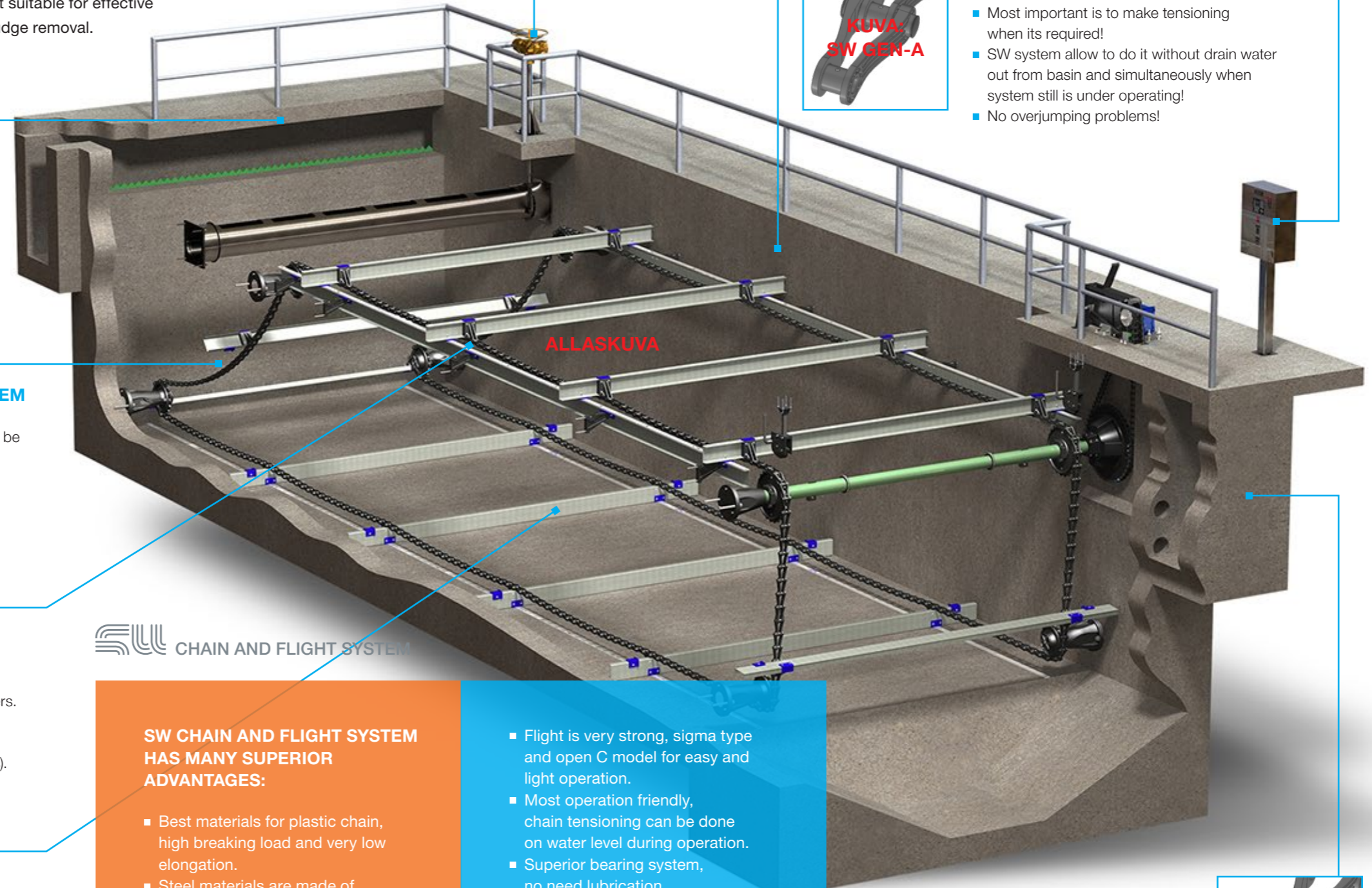
OPERATION FRIENDLY

**Chain tensioning
during operation**

 **CHAIN AND FLIGHT SYSTEM**

Quality, durability and operation friendly systems

Superior NEW Solid Water SW Plastic Chain and Flight System is designed for both municipal water and waste water treatment plants and industrial plants. It can be used in primary and secondary treatments. It is most suitable for effective scum sludge removal on water surface and bottom settled sludge removal.



- DRIVE UNIT SYSTEM**
- Only high brand as NORD or equivalent according to requirement.
 - Drive chain and sprockets as steel or plastic materials according to requirement.



- SAFETY EQUIPMENT**
- Optionally can be offered:
- Safety switches for motors.
 - SW flight parallel running control (also can be used for scum pipe opening).
 - Over- and under load system EI-Fi (current control).



- GENIUS CHAIN TENSIONING SYSTEM SW GEN-A**
- Most important is to make tensioning when its required!
 - SW system allow to do it without drain water out from basin and simultaneously when system still is under operating!
 - No overjumping problems!



- GRP FLIGHT SW S-200**
- Strong sigma type flight with 200 mm height for bigger loads and higher surface water variations.



- SCUM SLUDGE REMOVAL SYSTEM SW SSR-300**
- Effective slotted scum pipe system can be opened by manually or automatically.



- STRONG PLASTIC CHAIN SW C-SW1**
- Strong chain.
 - Only 2 part, less rotating part than others.
 - Low wearing.
 - Chemical resistance (also can stand sand better than others).
 - No overjumping problems because of superior design.



- BOTTOM SLUDGE REMOVAL**
- Bottom sludge will be scraped to sludge pit by SW sigma flights.

CHAIN AND FLIGHT SYSTEM

SW CHAIN AND FLIGHT SYSTEM HAS MANY SUPERIOR ADVANTAGES:

- Best materials for plastic chain, high breaking load and very low elongation.
- Steel materials are made of AISI304 or AISI316 as required.
- Resistance for corrosion and chemical damage. Suitability also for H₂S gases.
- Flight is very strong, sigma type and open C model for easy and light operation.
- Most operation friendly, chain tensioning can be done on water level during operation.
- Superior bearing system, no need lubrication.
- Best durability and highest quality of all material and component.
- Fast and reliable spare part service.



- ALL OTHER PARTS**
- Plastic and AISI304/316 materials.

Technical specification

**KUVAT TAULUKON
KOMPONENTEISTA?**

SCRAPER FLIGHT	Type	Material	Dimension	Max length
Flight	F-SW200 - SIGMA model	GRP	200x80	Up to 10 m
Wear parts	WP-SW80 and WP-SW80G	PE or as required	s=20	

CHAIN	Type	Material	Pitch	Working load
Chain	C-SW1	PP/PBT	160	20 kN

BEARINGS	Type	Material
SW model	SW type slide bearings	PE or as required

SPROCKETS	Type	Material
SW model	SW type sprockets	PE or as required

RAILS	Type	Material
SW model	Strong bottom and side rails	PE / AISI 304/316

DRIVE UNIT	Type	Material	Power
Drive unit	Nord gear or as required	Nord standard or as required	0,12 – 0,37 kW
Drive chain	Metallic or plastic	AISI304 as standard	
Drive and driven sprockets	Metallic or plastic	According to case	

HARDWARES	Material
All	AISI316

**TAULUKKO
TÄYDENTYY...?**



More details required?
Please take contact to our sales:
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Solid Water Ltd. is high quality product manufacturing company located in Finland, Northern Europe. Together with our long experience in field and process knowledge, keeps our customer satisfaction and trust in highest level.



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