

## **KATALYST** LIGHT

# SUCCESS STORIES

Watch Water, headquartered in Mannheim, Germany, is a rapidly growing global leader in manufacturing Scale Prevention, Adsorbers, Filter Media, and INSTANT Dosing Solutions for the water and wastewater treatment industry. Katalyst Light is the pride of watch water with over 10 years of success as the leading product in water treatment. Katalyst Light has been the market leader for Filtration and Removal of Iron, Manganese and Hydrogen Sulfide



[info@watchwater.de](mailto:info@watchwater.de)



[www.watchwater.de](http://www.watchwater.de)



Fahrlachstraße 14, Mannheim  
Germany.



## WHAT IS KATALYST LIGHT?

Katalyst Light is revolutionary advanced filtration media with a unique gamma coating of Manganese Dioxide (10%) on the high capacity filter material 'Zeosorb' allowing it to remove various contaminants like iron, manganese, H<sub>2</sub>S, and other heavy metals from water.

## FEATURES

A combination of mechanical filtration, catalytic precipitation, and subsequently adsorption are the core strengths of Katalyst light. Katalyst Light does not require any regeneration chemicals under ideal conditions. The only maintenance required is intermittent backwashing. It is extremely light weight and hence require very Less backwash water.





**TOTAL FLOW RATE**  
200 m<sup>3</sup>/h

**KATALYST LIGHT MEDIA**  
11200 Litres

**RESULTS**  
Iron Reduction >99.5 %  
Manganese Reduction 97.8 %

**YEAR**  
2014

**IRRIGATION WATER SUPPLY  
CALIFORNIA, UNITED STATES**



**TOTAL FLOW RATE**  
1080 m<sup>3</sup>/h

**KATALYST LIGHT MEDIA**  
54000 Litres

**RESULTS**  
Iron Reduction 99.2 %  
Manganese Reduction 95.3 %

**YEAR**  
2014

**MUNICIPAL WATER SUPPLY  
THESSALONIKI, GREECE**

**TOTAL FLOW RATE**61 m<sup>3</sup>/h**KATALYST LIGHT MEDIA**

6800 Litres

**RESULTS**

Iron Reduction 99.2%

Manganese Reduction 95.3%

**YEAR**

2016

**IRRIGATION WATER TREATMENT  
REVERSE OSMOSIS PROTECTION  
SAN QUENTIN, UNITED STATES****OTHER INSTALLATION REFERENCES**

YEAR	INSTALATION SITE	COUNTRY	FLOW RATE (m <sup>3</sup> /h)	KATALOX LIGHT VOLUME (Liters)	CONC. Fe INLET / OUTLET (mg/l)	CONC. Mn INLET / OUTLET (mg/l)
2014	Amalfi Coast Resort, Florida	USA	10.8	600	1.4 / 0.06	n/a
2014	Residence Inn, Florida	USA	13.68	800	1.2 / 0.04	n/a
2014	Country Yard Marriot, Florida	USA	7.92	425	0.85 / BDL	n/a
2014	City Bank, Florida	USA	4.5	230	0.78 / BDL	n/a
2015	Morelia, Michoacán	Mexico	36	1700	0.7 / BDL	n/a
2015	San Hipolito, Puebla	Mexico	54	2600	0.755 / BDL	0.077 / BDL
2015	Tlajomulco, Jalisco	Mexico	90	4000	3.4 / 0.03	n/a
2015	Tlajomulco, Jalisco	Mexico	11.52	566	1.28 / BDL	0.56 / 0.08
2016	San Felipe, Puebla	Mexico	90	4000	0.85 BDL	n/a
2016	Cundinamarca	Colombia	68.04	3400	4.2 / 0.13	n/a
2016	Morelia, Michoacán	Mexico	79.20	3400	0.56 / BDL	n/a

BDL= Below Detection Limit

**WATCH WATER GMBH**

FAHRLACHSTR. 14, 68165 MANNHEIM, GERMANY

INFO@WATCHWATER.DE | +49 621 87951 0

WWW.WATCHWATER.DE