



GPS- Fleet Management
for your Irrigation Equipment

raindancer® - GPS Fleet Management

Using [raindancer](#) you are able to monitor and to control irrigation from via Smartphone or PC.

Using [raindancer](#) is very easy and it is available for **every irrigation machine.**

What is it about?

- Information at a Glance
- Handling Malfunctions
- Dispatching and Scheduling Relocations
- Team Management
- Remote Control
- Documentation





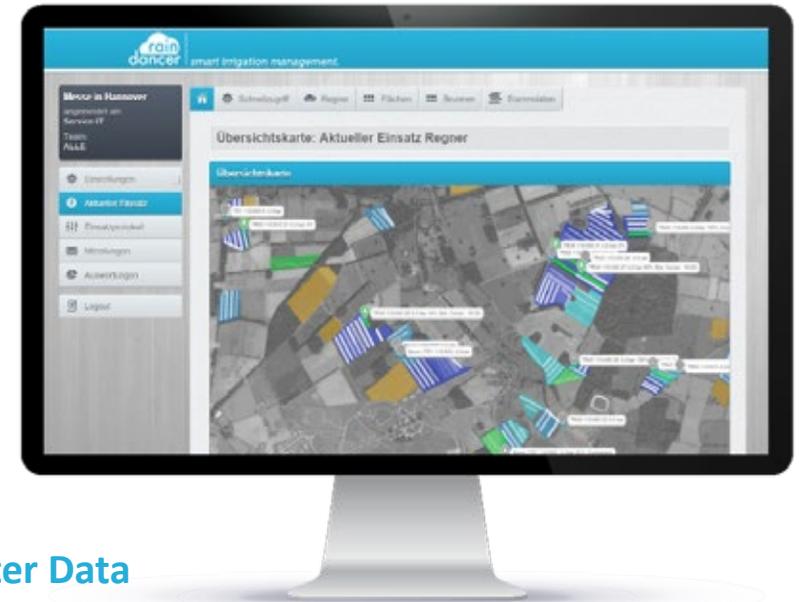
GPS Solar Module with Pressure Sensor

Continuous Transmission of Position and Pressure



Smartphone

iPhone / Android



Maintain Master Data

Web-Browser (Internet Explorer, Firefox, Chrome)

- Fields with Field Borders
- Hose Reels, Wells, Pumps and Meter Units
- Teams, Users and Farms

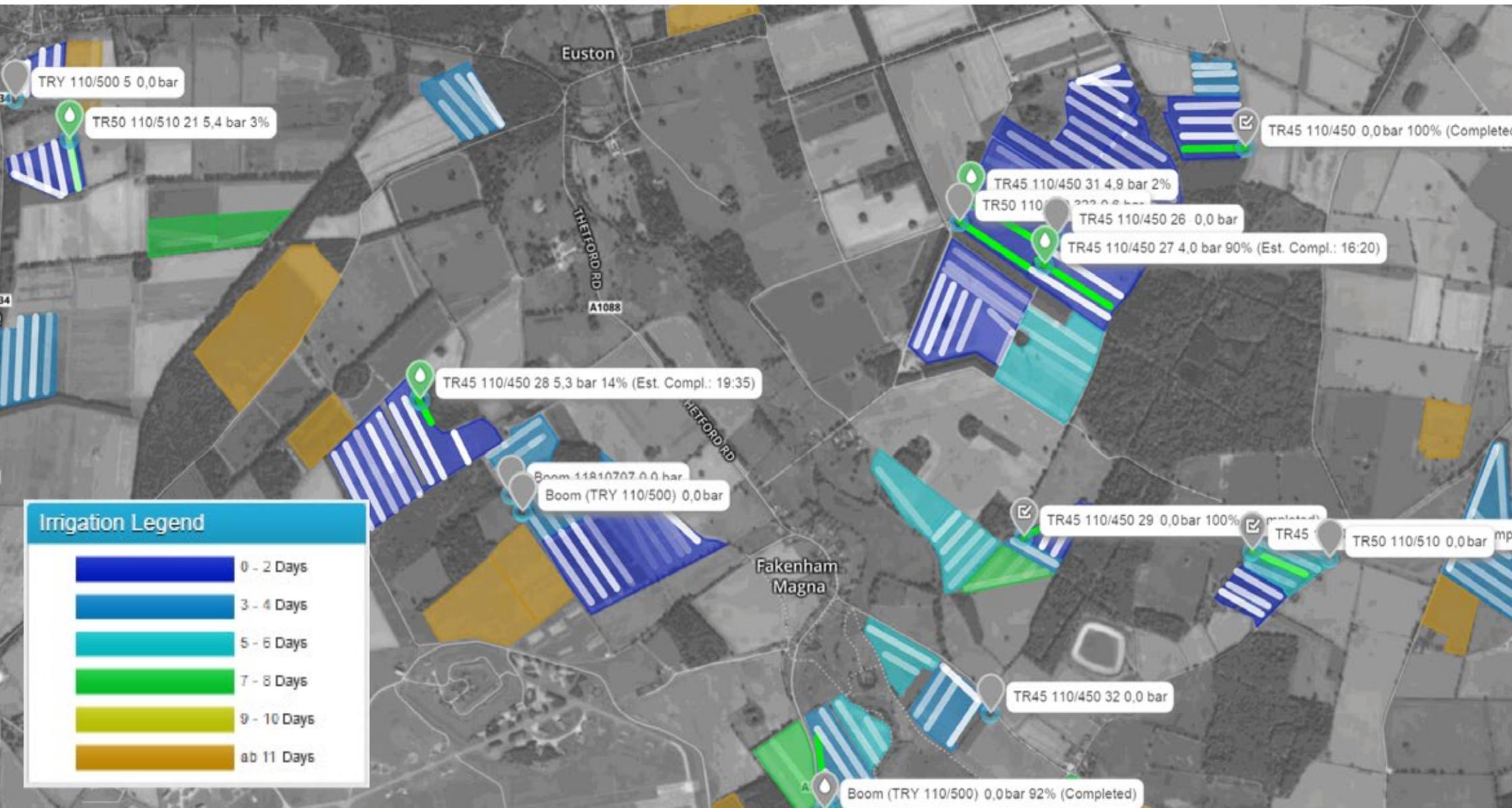
- GPS Receiver with Solar-Powered Energy Supply
(5-day Battery Life)
- Pressure Sensor
- Installation Only on the Gun Carriage
(no installation on the reel)
- Suitable for All Irrigation Machines

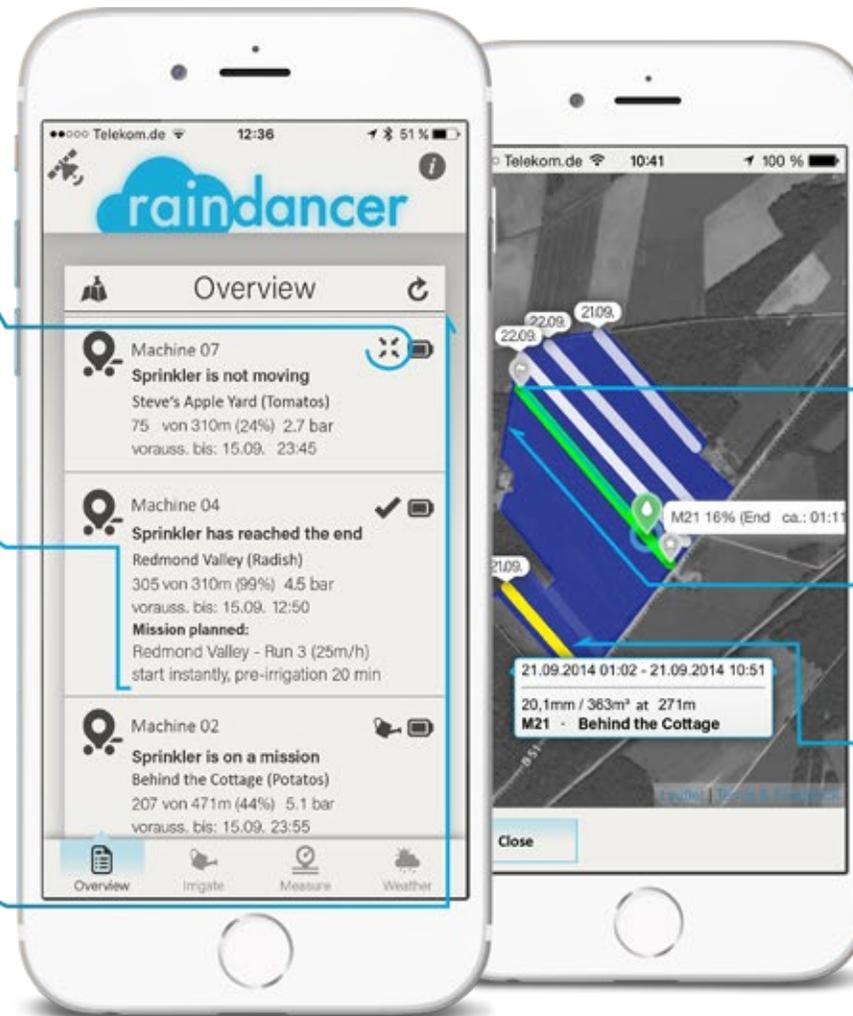
Current position and pressure is transmitted to the [raindancer](#) software.



Depicted voltage transformation box required only for raindancer modules from 2015 and earlier.

Irrigation runs are detected automatically, providing a comprehensive monitoring experience:





All your Machines' Current States

-  Malfunctions
-  Completed, Ready for Relocation
-  Irrigating

Every Detail About the Current Operation

- Field
- Distance and Current Progress
- Current Water Pressure
- Estimated Completion
- Scheduled Relocation
- Field, Lane, Irrigation Amount

Intelligent Order

- Machines that Require Action
- Ordered atop

Monitor the Progress

- Machines' Locations
- Estimated Completion
- Water Pressure

Keep an Overview

- Completed Irrigation runs
- Pending lanes

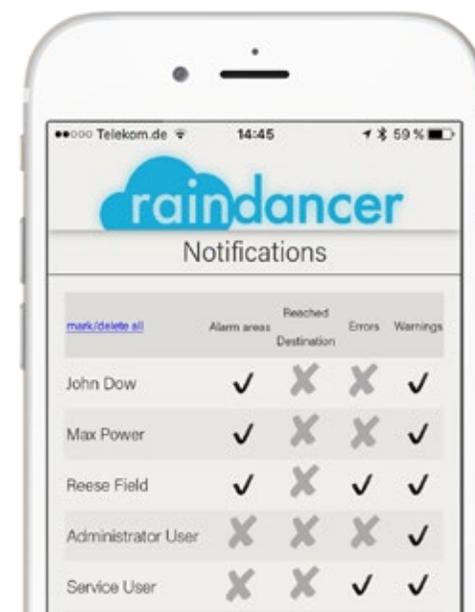
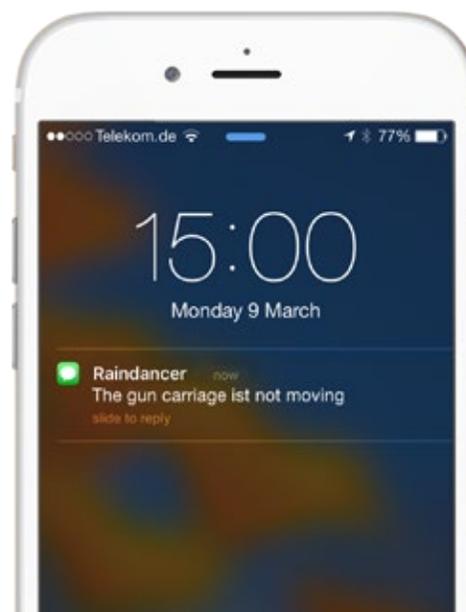
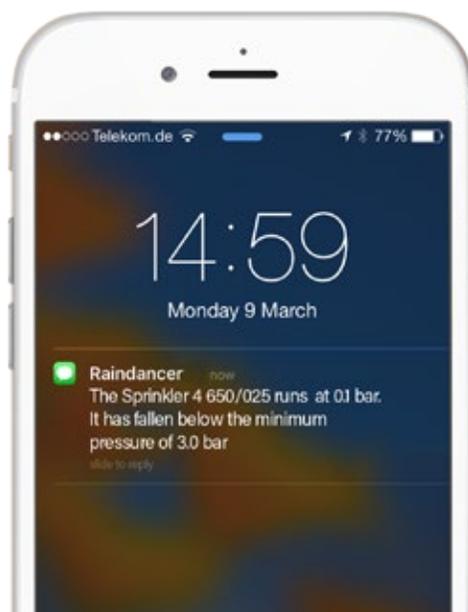
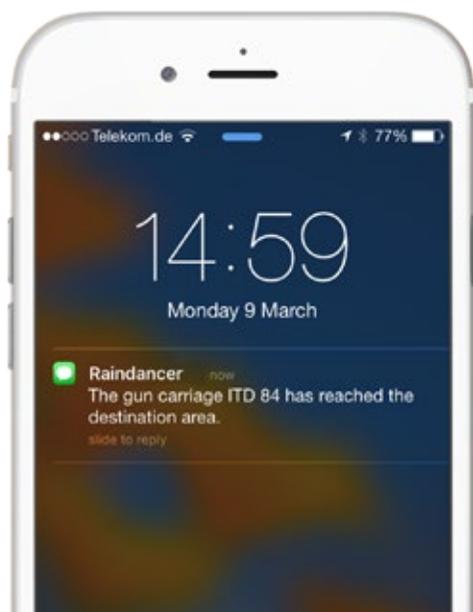
Details about Completed Operations

- Time of Completion
- Amounts, Distances

Order:

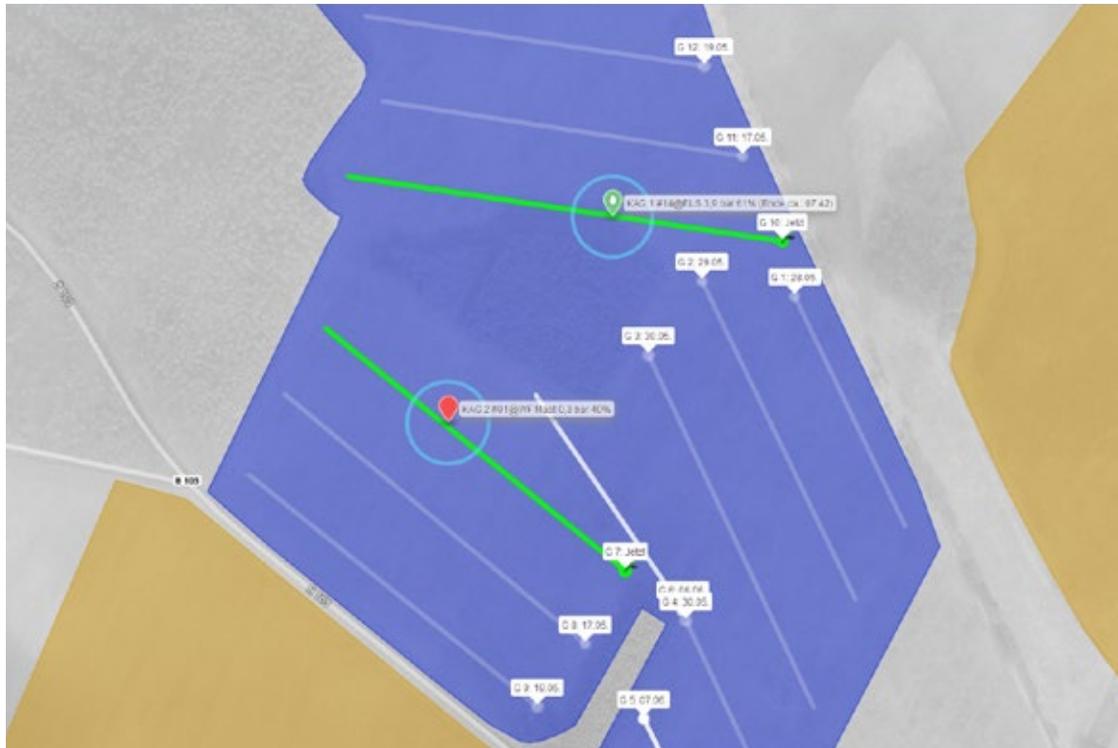
- Machines with Malfunctions
- Machines Awaiting Relocation
- Operating Machines Ordered by Estimated Time of Completion
- Machines Currently not Operating

- No Movement
- Pressure Too Low or Too High
- Critical Areas Will Be Reached
- The Gun Carriage Is Tilted

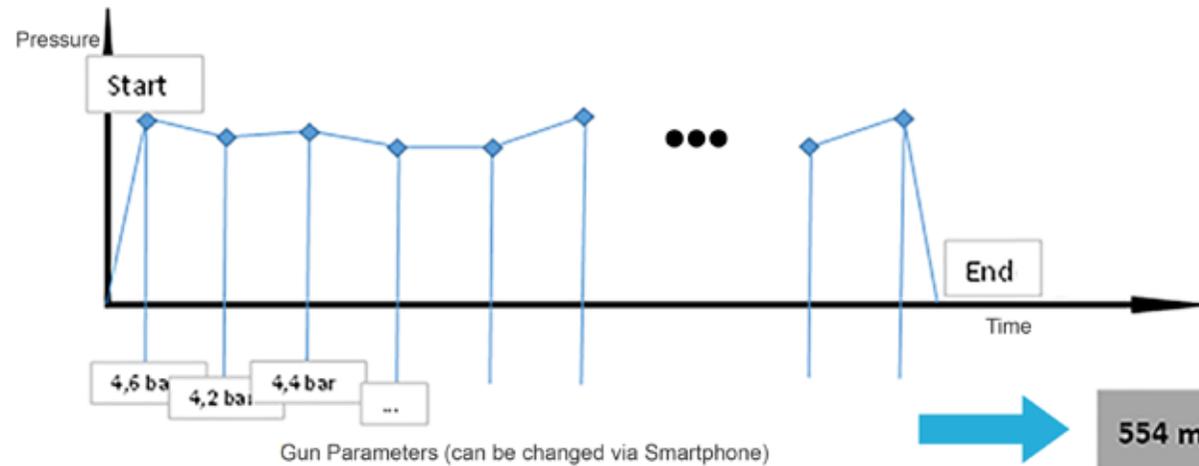


Planning Relocations

- The App Shows the Employees the New Operational Area (Field, Lane)
- The Employee will Find the Correct Lane Without any Problem, even in Difficult Areas

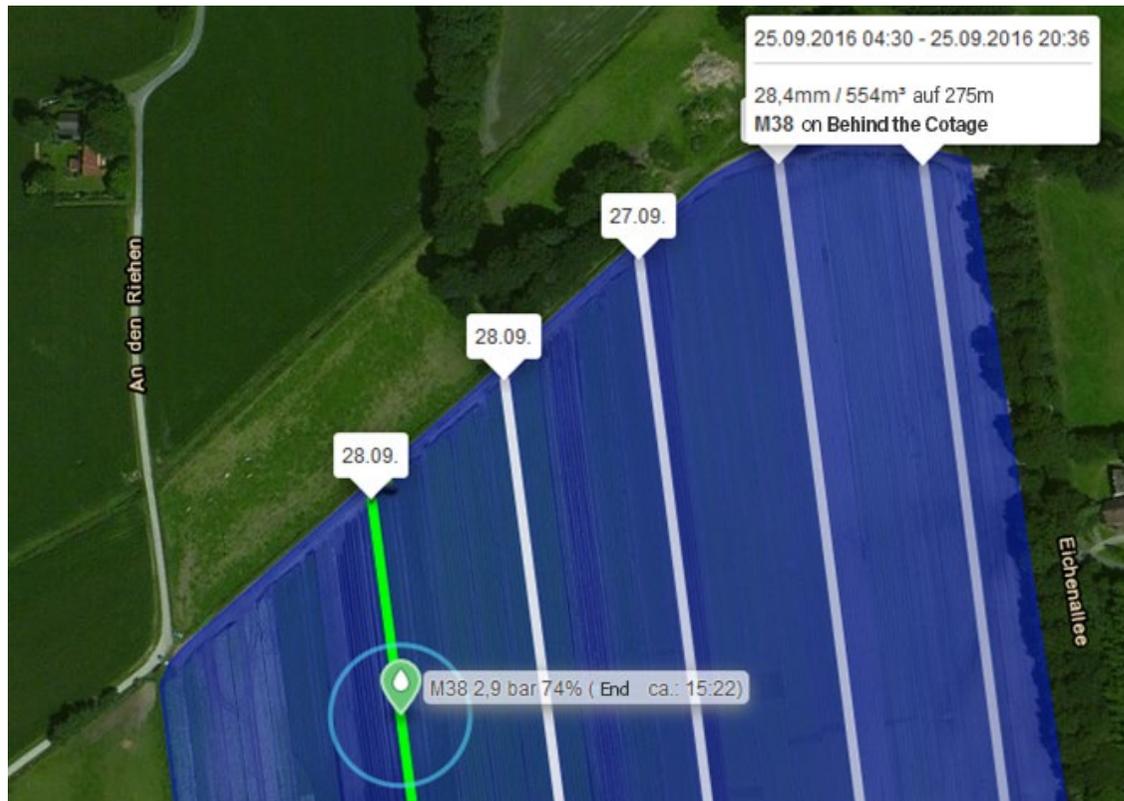


Calculating Irrigation Amounts



554 m³ will be calculated and recorded

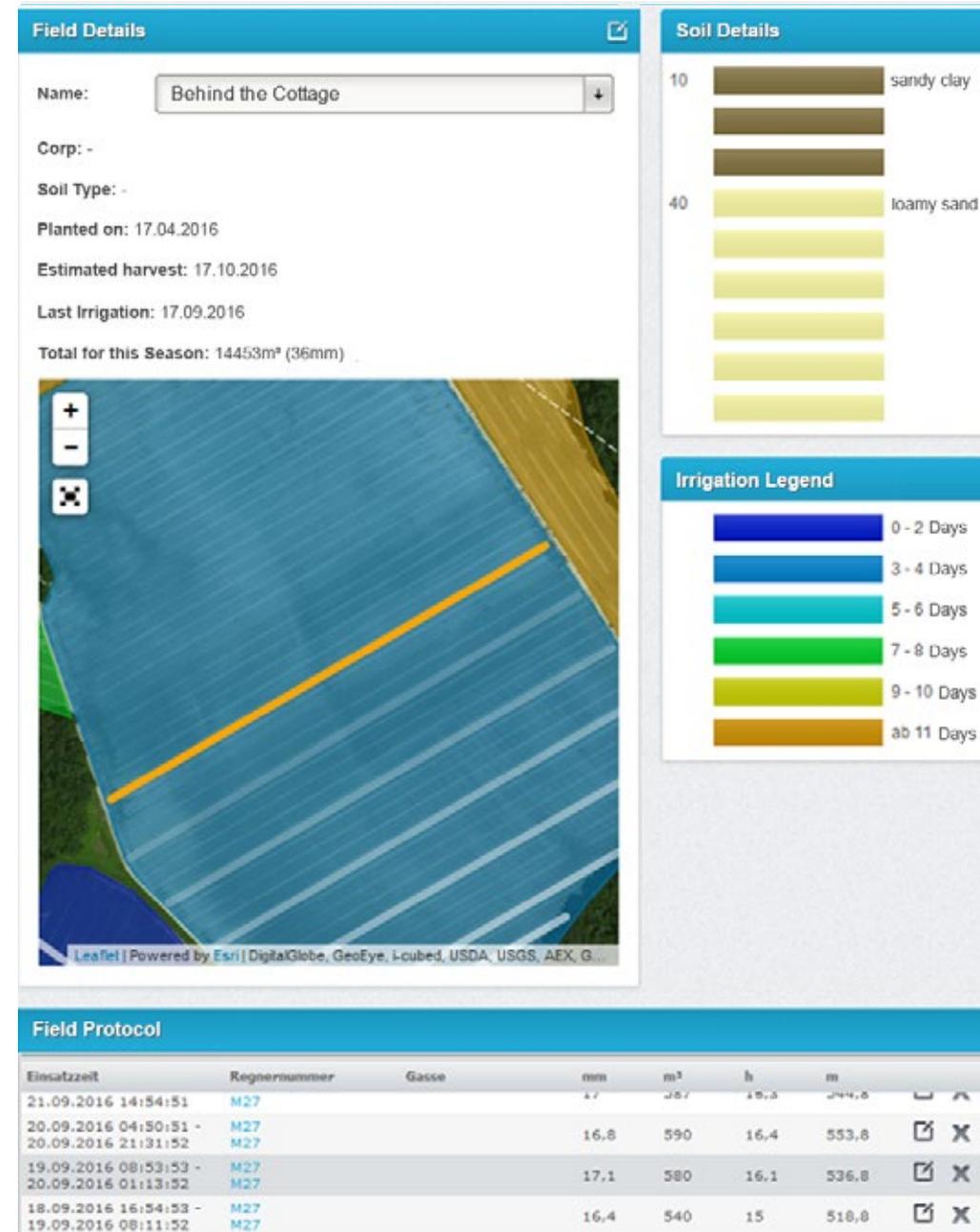
$$\frac{\text{Water amount}}{\text{Lane width x length}} = \frac{554.000 \text{ l}}{72\text{m} \times 275\text{m}} = 28,4 \text{ mm}$$



- Based on the Pressure and the Gun Parameter, the Irrigation Amount will be Calculated
- The Amount of Water is Assigned to the Irrigation Run

Automatic Recording

- How Much Water Has Been Irrigated on the Field
- When Has Which Lane Been Irrigated
- Which Irrigator Has Been Watering
- From Which Well Has The Water Been Taken
- And Much More ...





- Start, Stop and Change Speed.

only raindancer compatible units



Remote Control of Pumps



- Start, Stop, Query Status and Reset
- Change Parameters, like Pressure



Documentation and Reports



- Automatic Logging
(Wells, Fields, Irrigator, Amounts, etc.)
- Reports for Authorities
- Management Views
- Distribution Between Farms

Mission Protocol							
Missions							
Mission Time	Irrigator	Field	Well	mm	m ³	h	m
09.06.2016 12:04:47 09.06.2016 22:09:59	Machine 01	Behind the Cottage	Well 1	26,1	318	7,5	133
09.06.2016 10:42:37 10.06.2016 06:38:25	Machine 02	Behind the Cottage	Well 1	23,8	895	19,8	486
09.06.2016 09:44:56 10.06.2016 01:43:29	Machine 05	Behind the Cottage	Well 1	21,1	656	15,9	396
09.06.2016 08:57:25 09.06.2016 18:38:22	Machine 05	Behind the Highway	Well 15	21,8	444	9,7	247
09.06.2016 06:37:51 09.06.2016 08:12:11	Machine 01	Behind the Highway	Well 15	28,9	475	0,4	192
08.06.2016 21:20:39 09.06.2016 07:19:29	Machine 05	Behind the Cottage	Well 1	25,8	328	10,3	167
08.06.2016 20:44:06 09.06.2016 04:54:24	Machine 01	Redmond Valley	Well 23	21,9	448,5	9,9	249
08.06.2016 15:49:24 09.06.2016 08:16:24	Machine 01	Redmond Valley	Well 23	26,3	870	16,3	423
08.06.2016 12:09:53 09.06.2016 05:04:51	Machine 02	Behind the Cottage	Well 1	22,2	722	17,0	416

Export Reports to Excel

Select by Time Spans, Areas, etc.



Register

Entnahmestelle / Brunnen	Abrechnungsart	Benutzername	Schlag	Startzeit	Endzeit	mm	h	m3	m3 Zaehlerstand Start	m3 Zaehlerstand Ende	Entfernung Start
Brunnen 1	m3	Max Muster	Waldinsel	03.07.2015 16:27:59	04.07.2015 11:56:06	27,4	20	975	56773	57097	458
Brunnen 1	m3	Max Muster	Waldinsel	03.07.2015 16:28:26	04.07.2015 16:05:56	29,6	24	1180	57097	57421	517
Brunnen 1	m3	Max Muster	Waldinsel	04.07.2015 12:21:35	04.07.2015 23:10:07	25,7	11	540	57421	57745	256
Brunnen 1	m3	Max Muster	Waldinsel	04.07.2015 16:53:01	05.07.2015 12:59:36	29,3	20	1005	57745	58069	440
Brunnen 1	m3	Max Muster	Waldinsel	05.07.2015 05:02:44	06.07.2015 00:47:32	27,4	20	985	58069	58393	464
Brunnen 1	m3	Max Muster	Waldinsel	05.07.2015 13:45:12	06.07.2015 13:31:01	29,7	24	1190	58393	58717	521
Brunnen 1	m3	Max Muster	Waldinsel	06.07.2015 05:55:07	07.07.2015 00:58:08	27,4	19	955	58717	59041	448
Brunnen 1	m3	Max Muster	Waldinsel	06.07.2015 14:46:02	07.07.2015 14:13:54	30,1	24	1175	59041	59365	507
Brunnen 1	m3	Max Muster	Waldinsel	07.07.2015 05:08:48	08.07.2015 00:19:36	27,3	19	960	59365	59689	453
Brunnen 4	m3	Max Muster	Talrand	07.07.2015 16:07:12	08.07.2015 06:32:52	28,5	14	720	59689	60013	315
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 05:08:11	17.06.2015 21:05:43	21,9	16	880	60013	60337	522
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 05:08:30	17.06.2015 19:23:54	25,2	14	786	60337	60661	397
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 05:08:50	17.06.2015 22:12:01	22,5	17	941	60661	60985	545
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 19:24:16	18.06.2015 18:35:20	25,2	23	1276	60985	61309	668
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 22:36:25	18.06.2015 16:30:26	22	18	984	61309	61633	584
Brunnen 4	m3	Max Muster	Talrand	17.06.2015 22:37:09	18.06.2015 13:33:31	22	15	820	61633	61957	482
Brunnen 4	m3	Max Muster	Talrand	18.06.2015 13:46:03	19.06.2015 00:04:42	21,3	10	566	61957	62281	333

1. Overview

Using your Smartphone or PC, observe via lists or maps at any time and from anywhere: Where are your irrigators? When will they complete their current operation?

2. Malfunctions

When the irrigator stops moving or the water pressure falls below / exceeds a set range, a text message will be sent. A text message will also be sent when approaching critical areas, such as roads or railways near the edges of a field.

3. Relocation

All irrigation runs are displayed color graded, accompanied by detailed information, basis for scheduling future operations.

4. Remote control

The irrigator(s) can be started or stopped from everywhere. Will it begin to rain? Is it too hot? Just stop the running irrigation via your Smartphone. The wind up speed is adjusted automatically, based upon configured soil composition.

5. Pumps

Pumps can be started or stopped via Smartphone. This can be performed automatically in an optimized manner in water supply networks!

6. Reports

All irrigation operations are logged automatically and are available permanently. As a report to authorities, the data can be exported and processed in Microsoft Excel.





Enjoy your new freedom and
save checking rides!

Simply put, it is a pleasure to work with [raindancer](#).

Quote of a customer:

**„The first and the last what I did every day
in summer:
I’ve thought of you.“**

If you like, we would be happy to get you in contact with
customers, to talk about their experiences using raindancer.

Arrange a non-obligation consultation today!