Active Directory Rollen und Berechtigungen

- **Admin:** has all rights in the GridVis. The Admin is required for a project launch. This role is also required if access to the system (user administration) is no longer possible.
- **System Admin:** has almost all rights in the GridVis. He cannot interactively comment, share and print or delete measurement data.
- **Commissioning Engineer:** has all the rights required for commissioning. He cannot interactively comment, share and has only limited rights in the user administration.
- **Supervisor:** has the most rights after the system admin. He has limited access to project creation and user administration.
- **Energy Commissioner:** has access to all energy data and relevant EnMS functions and their settings. He also has the right to delete or reset relevant measurement data on measuring instruments.
- **Electrician:** has unlimited access to device management and can add new devices. He has no access to system settings and user management.
- **IT Staff:** can edit system and connection settings. He also has full access to the user administration. He has no access to measurement data, device configuration and other system functions.
- **Editor:** can only create, edit and print reports.
- **Analyst:** has read-only rights.
- **Operator:** create and manage dashboards. He has limited access to system and device settings. The role can be created with multitenancy.
- **Observer:** can only access the Web interface. He has only the right to view and cannot intervene. The role can be created with multitenancy.

action	Admin	System Admin	Commissioning Engineer	Supervisor	IT Staff	Electrician	Energy Commissioner	Analyst	Operator	Observer	Editor
project and system											
create project	✅	✅									
open and close project	✅	✅	✅		✅						
import and export project and device list	✅	✅	✅								
edit project and system settings	✅	✅	✅		✅						
access web interface	✅	✅	✅	✅	✅	✅	✅	✅	✅	✅	
create project structure (e.g. add folder)	✅	✅	✅	✅		✅	✅		✅		
view time planning	✅	✅	✅	✅				✅	✅		
create, update and delete time points and time periods	✅	✅	✅	✅							
measurement data											
online recording	✅	✅	✅	✅							
remove measurement (database action)	✅	✅	✅	✅							
compressing of measurement (database action)	✅	✅	✅	✅							
delete and change device (database action)	✅	✅	✅	✅							
visualization											
view device list	✅	✅	✅	✅	✅	✅	✅	✅	✅		
create, edit and delete dashboards	✅	✅	✅	✅		✅	✅		✅		
view dashboards	✅	✅	✅	✅		✅	✅	✅	✅	✅	✅
create, update and delete graphset	✅		✅	✅		✅	✅		✅		
open event browser	✅	✅	✅	✅		✅	✅	✅	✅		
view sankey manager	✅	✅	✅	✅		✅	✅	✅	✅	✅	

	1	2	3	4	5	6	7	8	9	10	11
create, update and delete sankey	✓		✓	✓			✓		✓		
view KPI manager	✓	✓	✓	✓		✓	✓	✓	✓	✓	
create, update and delete KPI	✓		✓	✓			✓		✓		
device administration											
edit device connection	✓	✓	✓	✓	✓	✓					
update firmware	✓	✓	✓	✓		✓					
view device configuration	✓	✓	✓	✓		✓	✓	✓			
edit and transfer device configuration	✓	✓	✓	✓		✓					
delete energy values	✓		✓	✓		✓	✓				
reset min, max and status values	✓		✓	✓		✓	✓				
reset historical measurements	✓	✓	✓	✓		✓	✓	✓			
program device (Jasic)	✓		✓	✓		✓					
functions											
view data import(OPC, DI)	✓	✓	✓	✓		✓	✓	✓	✓		
create, update and remove data import(OPC, DI)	✓		✓	✓			✓		✓		
data export											
view data export	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓
create, update and remove data export	✓		✓	✓			✓		✓		✓
user management											
view users	✓	✓	✓	✓	✓			✓			
connect user management to project	✓	✓	✓		✓						
edit user data	✓	✓			✓						
remove user in user management	✓	✓			✓						
enable and manage Active Directory	✓	✓	✓		✓						
alarm management											
view alarm configuration	✓	✓	✓	✓	✓	✓	✓	✓	✓		
create, update and delete alarm	✓	✓	✓	✓		✓			✓		
acknowledge alarm	✓	✓		✓	✓	✓	✓		✓		