

Personal Project · Self-Study

Automated Staff Scheduling LEH

From idea to a fully functional planning tool

*Plan.
Analyse.
Understand.
Further develop.*

An independently developed Excel/VBA-based staff scheduling tool for the automated personnel planning of a fictional store in the food retail sector.

Initial Situation & Motivation

In the context of my professional change into the food retail sector, I wanted to gain a deeper understanding of the complex interrelationships involved in operational staff scheduling.

The aim was to develop a practical self-study project based on real-world requirements, covering aspects such as staffing needs, qualifications, absences, working hours, occupancy requirements and further framework conditions of realistic personnel scheduling – and to implement these independently.

The Result

This resulted in a comprehensive, independently developed Excel/VBA project – an automated staff scheduling tool, now available in version 3 (V3).



Practical Learning

Based on real requirements from the food retail sector



Automated Planning

Based on defined rules and priorities



Transparent Evaluations

Key figures, deviations and occupancy checks



Modular Structure (V3)

Stable, structured and user-oriented

FILIALPARAMETER					
Filialstammdaten					
Filialname	Magdeburg Zentrum	Vertriebsleiter / Bezirk			
Filialnummer	4100	Bundesland			
Straße/Hausnummer	SchiffstraÙe 36	Filialtyp			
PLZ / Ort	73539 Magdeburg	Planbe			
Planungszeitraum					
Kalenderwoche	33	Wochenbeginn			
Jahr	2026	Wochenende			
Öffnungszeiten					
Datum	Tag	Geöffnet	Öffnung	Schließung	
10.08.2026	Montag	Ja	6:00	22:00	
11.08.2026	Dienstag	Ja	6:00	22:00	
12.08.2026	Mittwoch	Ja	6:00	22:00	
13.08.2026	Donnerstag	Ja	6:00	22:00	
14.08.2026	Freitag	Ja	6:00	22:00	
15.08.2026	Samstag	Ja	6:00	22:00	
16.08.2026	Sonntag	Nein	•	•	

Development in 3 Versions



V1

Basic model and initial automation logic



V2

Extended rule and optimization logic



V3

Fully functional planner for practical use



Personal Project · Self-Study

Rider Branch Parameters

Foundations for realistic and automated staff scheduling

In the "Branch Parameters" sheet, the user defines all central framework conditions for the store. These settings form the basis for the automated calculation of staffing requirements and the duty roster planning.

Data:
Structure.
Real-world use.
Better planning.



Purpose & Benefits

The "Branch Parameters" sheet ensures that planning is based on realistic, store-specific requirements. All relevant settings are taken into account automatically – from staff requirements calculation to the creation of the duty roster.



Store Master Data

Here you enter the key information about your store, e.g. store number, location, responsible sales manager and planner. In this example, it is store 409 and planner Maier.



Planning Period

The user selects the desired calendar week and year here. The start and end of the week are determined and displayed automatically.



Opening Hours

The regular opening hours are taken from the existing store data. They form the basis for determining staffing requirements.



Deviating Opening Hours

Here, non-standard times for individual days can be entered (e.g. shortened opening hours, public holidays, Sundays closed). These times are also taken into account in the further planning.



Additional Settings and Effects

Target productivity, absenteeism rate, onboarding factor, target utilisation and distribution of staffing requirements influence the implementation and optimisation of staff scheduling. Compliance with minimum staffing levels is monitored and the quality of the planned staffing is evaluated and controlled based on these parameters.



Further Settings and Impact

Target productivity, average absenteeism, onboarding factor, target utilisation and distribution of staffing requirements influence the scheduling implementation and optimisation. Compliance with minimum staffing levels is monitored and the quality of the planned staffing is evaluated and controlled.

aktuelle KW
(dient nur für Info / ist nicht einklagbar)

Filiale vollständig eingerichtet

FILIALPARAMETER

Grundlagen und Steuerungswerte der Filiale

Filialstammdaten			
Filialname	Magdeburg Zentrum	Vertriebsleiter / Bezirk	Frau König / Bezirk 6
Filialnummer	409	Bundesland	Sachsen-Anhalt
Straße/Hausnummer	Schillerstraße 36	Filialtyp	City
PLZ / Ort	73539 Magdeburg	Planer	Maier

Planungszeitraum			
Kalenderwoche	33	Wochenbeginn	10.08.2026
Jahr	2026	Wochenende	16.08.2026

Öffnungszeiten				
Datum	Tag	Geöffnet	Öffnung	Schließung
10.08.2026	Montag	Ja	6:00	22:00
11.08.2026	Dienstag	Ja	6:00	22:00
12.08.2026	Mittwoch	Ja	6:00	22:00
13.08.2026	Donnerstag	Ja	6:00	22:00
14.08.2026	Freitag	Ja	6:00	22:00
15.08.2026	Samstag	Ja	6:00	22:00
16.08.2026	Sonntag	Nein	-	-

abweichende Öffnungszeiten				
Datum	Tag	Rhythmus	Geöffnet	Öffnung

Personal- und Leistungsparameter				
Zielproduktivität (K/Minutenstunde)	191,09 €	Durchschn. Krankenstand	10,00%	Ist-Personal
Erforderliche Produktivität bei vollem Personal	203,55 €	Einarbeitungsfaktor	0,40%	Ist-Prozent
Produktivitätsreserve	-4,00 %	Produktivitätsreserve inkl. Urlaube	-10,35% / 5,00%	Incl. Reserven
Personalkostenwert	0,00 €/h	Ziel-Auslastung	76,70%	In Stunden
Personaleinsatzbedarf	742,92 Std.	Mitrb. verfügbare Stunden	751,90	Ist-Proz. Woche

Mindestbesetzung				
Bereich	Mindestanzahl	Öffnung	Schließung	Stoßzeit
Filialleitung / Verantwortung	1	1	2	2
Kasse	1	1	2	2
Verkauf	1	1	2	2
Gesamtbesetzung Markt	4	4	4	4

Bereichsverteilung Personalbedarf			
Filialleitung / Verantwortung	25,0%	Freier Anteil	0,00%
Kasse	37,0%		
Verkauf	30,0%		
Summe	100,0%	● Verteilung gültig	

Zeitparameter Mindestbesetzung			
Parameter	Dauer in Stunden	Uhrzeit von	bis
Öffnungsphase	2,00	06:00	08:00
Schließungsphase	1,00	21:00	22:00
Stoßzeit	2,00	16:30	18:30

Unterdeckung		Optimaler Überschuss	
	-10		8



Personal Project · Self-Study

Employee Master Data

All relevant employee information at a glance

The employee master data forms the foundation of the planner. This is where all person-related, contractual, professional and time-related framework information for employees is recorded, which is taken into account for the automated staff scheduling.

People.
Structure.
Strong Teams.

Mitarbeiterdatenbank

A		PlanDatum: 10.08.2026 bis 16.08.2026																													
a																															
Personalnummer	Nachname	Vorname	Geschlecht	Funktion	Vertrag Std./je wochne Woche	Eintrittsdatum	Austritt Früh	Schichtmodell mittel miflet	Kasse	Verkauf	Waren-eigeng	Offen-erogag Dienst	Rein-frucht-igat	Erste Mitt-lign	Brand-schutz	Geburtsdatum	Mindestalter 16	Schwerbe-hindert/ Gleichgeschl	Krank-freisetzung	Befristung 11	Familien-sit	Kinder-mat-ist	Führerschein 11	FSG-Daten 11	Auto Privat Intern	Indi-viduelle Anlie-ge-Organisation	Stoß-zeit Belas-tung	Urlaub-sperre			
1	1000001	Becker	Anna	Weiblich	Kasse	20,00	01.08.2022	Ja	Nein	Ja	Nein	Ja	Ja	Ja	Ja	14.01.1996	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
2	1000002	Hofmann	Markus	Weiblich	Verkauf	39,00	15.05.2018	Ja	Nein	Nein	Nein	Ja	Ja	Ja	Ja	22.05.1985	Nein	21310007/2026/11/11	bedient	verheiratet	2	B - (Privat-A)	Ja	Nein	Nein	Nein	Nein	Sein			
3	1000003	Schreiber	Lara	Weiblich	Zentrale	20,00	01.09.2022	Ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	03.11.2000	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
4	1000004	Bauer	Tim	Weiblich	Lager	21,00	07.02.2027	Ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	16.02.1991	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
5	1000004	Richter	Julia	Weiblich	Kasse	20,00	18.02.2022	Ja	Ja	Ja	Nein	Nein	Ja	Ja	Ja	18.07.1998	Nein	21310007/2026/11/11	bedient	verheiratet	3	B - (Privat-A)	Ja	Nein	Nein	Sein	Sein				
6	1000006	Wagner	Kevin	Weiblich	Verkauf	39,00	07.08.2000	Ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	28.01.1990	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
6	1000006	Wagner	Sabine	Weiblich	Kasse	30,00	01.08.2021	Ja	Ja	Ja	Nein	Nein	Ja	Ja	Ja	21.11.1995	Nein	21310007/2026/11/11	bedient	verheiratet	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
7	1000007	Klein	Satthias	Weiblich	Leitung	40,00	01.08.2028	Ja	Ja	Nein	Nein	Ja	Ja	Ja	Ja	01.03.1987	Nein	21310007/2026/11/11	bedient	verheiratet	2	B - (Privat-A)	Ja	Nein	Nein	Sein	Marat				
10	1000008	Schulz	Nina	Weiblich	Kasse	20,00	01.08.2022	Ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	20.02.1992	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
10	1000009	Zimmermann	Felix	Weiblich	Lager	20,00	20.02.2002	Ja	Ja	Nein	Nein	Ja	Ja	Ja	Ja	25.12.1994	Nein	21310007/2026/11/11	bedient	verheiratet	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
11	1000011	Neumann	Petra	Weiblich	Verkauf	30,00	01.07.2022	Ja	Ja	Ja	Nein	Ja	Ja	Nein	Ja	18.08.1966	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
12	1000012	Vogel	Andre	Weiblich	Kasse	24,00	01.07.2022	Ja	Ja	Ja	Nein	Nein	Ja	Ja	Ja	17.04.1999	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
12	1000013	Frey	Lena	Weiblich	Verkauf	25,00	01.03.2023	Ja	Ja	Nein	Nein	Ja	Ja	Ja	Ja	10.03.1994	Nein	21310007/2026/11/11	bedient	verheiratet	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			
12	1000014	Hartmann	Tobias	Weiblich	Lager	21,00	01.08.2024	Ja	Ja	Nein	Nein	Ja	Ja	Ja	Ja	27.05.1988	Nein	21310007/2026/11/11	bedient	ledig	3	G - (Lager)	Ja	Nein	Nein	Nein	Sein	Sein			
15	1000015	Krüger	Carla	Weiblich	Verkauf	20,00	01.08.2022	Ja	Ja	Ja	Nein	Ja	Ja	Ja	Ja	31.10.2005	Nein	21310007/2026/11/11	bedient	ledig	3	B - (Privat-A)	Ja	Nein	Nein	Nein	Sein	Sein			

In the "Employee Master Data" sheet, all relevant employee information is recorded and maintained.

This data is automatically taken into account by the planner for the scheduling logic and forms the basis for a realistic and needs-based staff deployment.

In addition to personal data, contractual framework conditions, qualifications, availabilities, possible areas of deployment and further relevant details are captured.

Using filter and sorting functions, the employee overview can be individually customized.

This central database ensures that planning is realistic, compliant with regulations and takes all framework conditions into account.



Person-related data

Name, gender, date of birth, marital status, family status and other basic information.



Contractual framework

Contract type, entry date, fixed-term contract and other contractual details.



Qualifications & areas of use

Functions, qualifications, driving license, possible areas of deployment and additional details.



Availability & absences

Shift work, availability, vacation days, public holidays and special regulations.



Special characteristics

Minimum age, severe disability/equal status, FSG data and other relevant information.



Optimal planning basis

All information in a central overview for realistic and compliant staff scheduling.



A self-initiated project that creates perspective.
Turning ideas into opportunities.

Personal Project · Self-Study

Sales Planning by Employee

Daily, precise sales planning based on staffing requirements

In the "Sales Planning" sheet, you enter the expected sales for the selected period. The planning is done on a daily basis and forms the foundation for the automated calculation of staffing requirements.

Data.
Planning.
Decision-making.
Success.

Umsatzplanung

	B	E	C	F	F	E	H	I	J	K	L	M	N	N	O	P	R	S	T	U	V	W	AR	
2	Filiale 4090	Bundesland: Sachsen-Anhalt			Durchschn. Zielumsatz/Std.		1.124,43 €		Öffnungsphase			00:30		früher Vormittag			09:00		Mittagzeit		06:05		später Nachmittag	
2	Jahr	2027	Wochentag / Woche (Beginn)		Umsatzplan (brutto) (€)		Arbeitsstage / Feiertage		Feiertag		06:00	06:30	07:00	07:30	07:30	08:00	09:00	10:00	11:00	12:00	13:00	15:00	16:00	17:00
3		01	Montag	18.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
4		02	Dienstag	19.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
5		03	Mittwoch	20.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
7		04	Donnerstag	21.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
9		05	Freitag	22.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
10		06	Samstag	23.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
12		07	Sonntag	24.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
18		08	Montag	25.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
19		09	Dienstag	26.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
11		10	Mittwoch	27.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
12		11	Donnerstag	28.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
13		13	Freitag	29.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
18		13	Samstag	30.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
19		14	Sonntag	31.01.2027		18.022,88 €	Ja	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	213,29	426,58	426,58	426,58	135,08	135,08	165,08	165,08	604,12
1	13:00	13:30	14:00	14:30	15:00	15:30	16:00	16:30	17:00	17:30	18:00	18:30	18:30	19:00	19:30	20:00	21:00	21:30	22:00					
1	604,12	604,12	605,12	605,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
2	604,12	604,12	605,12	605,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
4	604,12	604,12	605,12	635,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
5	604,12	604,12	605,12	635,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
5	604,12	604,12	605,12	605,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
6	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
6	604,12	604,12	605,12	635,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
6	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
7	604,12	604,12	605,12	635,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
8	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
9	604,12	604,12	605,12	635,12	635,32	553,32	635,30	686,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
10	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
11	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						
14	604,12	604,12	605,12	635,12	635,32	553,32	635,30	636,20	636,20	636,20	636,20	686,70	880,70	426,20	533,22	533,22	391,03	391,03						



Planned annual sales

Enter the expected annual sales for the store. The number of working days per year is automatically distributed across all weekdays, including Sundays and public holidays.



Consideration of public holidays

Public holidays stored in the branch parameters are automatically taken into account for the respective federal state. This ensures that regional and state-specific holidays are correctly considered.



Daily time phases with individual factors

The day is divided into various time phases (e.g. opening phase, early morning, lunch period, afternoon, later afternoon). Different factors can be defined for each time phase.



Direct impact on staffing requirements

The higher the defined factor for a time phase, the greater the expected sales in this period. The values form the basis for the subsequent calculation of staffing requirements, which is automatically integrated into the planning.



Personal Project · Self-Study

Personnel Requirements

Data-based calculation of staffing requirements

In the "Personnel Requirements" sheet, the available employee data is compiled and the resulting staffing requirements are calculated. The results form the foundation for realistic, compliant and efficient staff scheduling.

Data.
Planning.
Decision-making.
Success.

Personalbedarf

PERSONALBEDARF									
= sonst. Öffnungszeiten (schließt) → nicht unterdeckt 0 = optimal 0+ überplant		Benötigte Stunden:		Stunden:	505,36	505,36	Differenz +/-:	-78,82	
Umsatz geplant:		5.515.000,00 €		Personaldeckung:		86,50%	●		
Umsatzpotenzial							-6,31%	5.221.892,77 €	
Filiale	Wochensumme						Wochenumsatz		Beschreibung
Datum	Montag	Dienstag	Mittwoch	Donnerstag	Freitag	Samstag			
Datum	10.08.2026	11.08.2026	12.08.2026	13.08.2026	14.08.2026	15.08.2026			
Umsatzanteil	17,00%	15,00%	17,00%	15,75%	16,25%	21,00%	Anteil %	> 100,0 % verreilt	
Plan Umsatz	995,19	826,78	995,19	883,01	885,47	1.157,64	Wochenumsatz		
Benötigte Stunden	89,79	87,61	90,99	83,01	94,91	122,66	584,09		Gesamtliche Arbeitsstunden auf Grundlage des geplanten Tagesumsatzes und der hinterlegten Zielproduktivität.
Anwesenheitsstunden	9,74	8,01	9,09	8,01	9,01	17,24	87,43		Anzeigen jeweils separat nach nicht verfügbarer Arbeitszeit (Urlaub, Krankheit, Schulung).
tatsächlich verfügbare Stunden	78,64	77,10	87,38	70,68	85,53	107,94	505,26		Tatsächlich im Plan verfügbar Arbeitsstunden nach Berücksichtigung der tatsächlichen Ausfallfaktoren.
Einsatzbereich	Montag	Dienstag	Mittwoch	Donnerstag	Freitag	Samstag	Wochensumme	Beschreibung	
Filialeitung / Verantwortung - Bedarf	24,92	21,90	24,24	20,06	23,73	30,36	146,92	Anteil des gesamten Stundenbedarfs für Filialeitung, Stellvertretung und Schichtverantwortung.	
Kasse - Bedarf	36,74	32,42	36,74	29,72	35,12	45,38	216,11	Anteil des gesamten Stundenbedarfs für den Kassendienst.	
Verkauf - Bedarf	37,73	33,92	37,73	30,52	35,07	46,61	221,91	Anteil des gesamten Stundenbedarfs für den Verkaufsbereich.	
Öffnung-/Zusatzbedarf	2,00	2,00	2,00	2,00	2,00	2,00	12,00	Zusätzlicher Stundenbedarf während der hinterlegten Öffnungszeiten.	
Schließung/Zusatzbedarf	1,00	1,00	1,00	1,00	1,00	1,00	6,00	Zusätzlicher Stundenbedarf während der hinterlegten Schließungszeiten.	
Stoßzeit- Zusatzbedarf	2,00	2,00	2,00	2,00	2,00	2,00	12,00	Zusätzlicher Stundenbedarf während der hinterlegten Stoßzeiten.	
Mindestbesetzungsbedarf	53,00	53,00	53,00	50,00	53,00	53,00	318,00	Mindestbesetzung für Mindestbesetzung für Mindestbesetzungsbedarf und gesetzlichen Vorgaben.	
Umsatzabhängiger Bedarf	9,29	8,71	9,29	9,03	9,31	12,76	58,39	Gesamt der benötigten vom Umsatz abhängigen Stunden - der Schichtanforderung.	
Gesamtbedarf	99,69	77,10	87,38	70,68	85,53	107,94	505,26	Gesamtforderlicher Personalbedarf (Mindestbedarf + Zusatzbedarf + umsatzabhängiger Bedarf).	
Deckung/Differenz gesamt	-20,05	-10,51	-11,91	-9,64	-11,39	-14,72	-78,82	Negativer Wert = Personalmangel / Positiver Wert = Personalüberschuss.	
Filialeitung verfügbar	23,55	25,05	28,39	22,96	27,14	33,07	164,16	Verfügbare Arbeitsstunden der Mitarbeiter im Qualitätsbereich Filialeitung / Verantwortung.	
Filialeitung Differenz	-0,79	3,15	3,57	2,89	3,41	4,41	16,24	Differenz zwischen verfügbarer und erforderlicher Filialeitungsbesetzung.	
Kasse verfügbar	57,53	56,40	63,92	51,70	61,10	78,96	369,61	Verfügbare Arbeitsstunden der Mitarbeiter im Kassendienst.	
Kasse Differenz	20,79	23,98	27,18	21,98	25,98	33,58	138,50	Verfügbare Arbeitsstunden der Mitarbeiter im Kassendienst.	
Verkauf verfügbar	54,47	53,40	60,52	48,95	57,58	74,76	349,70	Verfügbare Arbeitsstunden der Mitarbeiter im Verkaufsbereich.	
Verkauf Differenz	16,74	20,11	22,79	18,43	21,78	28,15	128,00	Differenz zwischen verfügbarer und erforderlicher Verkaufsbesetzung.	
■ Umsatzplan	Umsatzplan durch Personalplanung erreichbar						Geplanter Jahresumsatz durch Personalplanung realisierbar.		
■ Mindestbesetzung	Mindestbesetzung hinterlegt						Vorgaben für Grundbesetzung und Zeitphasen vorhanden.		
■ Verkauf	Verkaufsbereich ausreichend besetzt						Kein Engpass – kleinster Puffer: Montag: +16,74 Std.		
▲ Kasse	Kassendienst ausreichend besetzt						Kein Engpass – kleinster Puffer: Montag: +20,79 Std.		
▲ Filialeitung	Führung ausreichend besetzt						Führung gesichert – kleinster Puffer: Montag: +0,79 Std.		
▲ Personal	Personalmangel vorhanden						Personalbedarf nicht vollständig ausfüllbar. Es fehlen rund 78,82 Arbeitsstunden zur vollständigen Personaldeckung.		



Planned annual sales

Enter the expected annual sales for the store. The number of working days per year is automatically calculated, taking all weekdays, Sundays and public holidays into account.



Consideration of public holidays

The public holidays stored in the branch parameters are automatically assigned to the respective federal state. In addition to national holidays, regional and state-specific public holidays are also taken into account correctly.



Daily time phases with individual factors

The day is divided into various time phases (e.g. opening phase, early morning, lunch period, afternoon, later afternoon, peak time, closing phase, etc.). An individual factor can be defined for each time phase.



Direct impact on staffing requirements

The higher the defined factor for a time phase, the greater the expected sales in this period. The values flow directly into the subsequent calculation of staffing requirements and are thus automatically integrated into the planning.



A self-initiated project that creates perspective.
Turning ideas into opportunities.

Personal Project • Self-Study

Employee Absences

Holidays, Absences and Availability at a Glance

In the “Employee Absences” sheet, all relevant employee absences are recorded and managed. The stored information is automatically taken into account in the staffing requirements calculation.

Data.
Planning.
Decision-making.
Success.

Abwesenheiten

ABWESENHEITEN

Fillalnummer 4090

Magdeburg-Zentrum

aktuelle Planungswoche Jahr:

2026

KW: 52

Planungszeitraum von/bis

21.12.2026

27.12.2026

Arzt. Akl. MA:

30

Anzahl erfasster Abwesenheiten in der aktiven Planungswoche:

30

Summe der Abwesenheitsstunden:

153,58

Feiertage eintragen

uw. Zeilen löschen

Datum

Uhrzeit

Leerzeile hinzufügen

Tabelle leeren

Testdaten eintragen

Abwesenheits ID

Personalnummer

Nachname

Vorname

Abwesenheitsart

Von

Bis

Ganz-tägig

Beginn

Ende

Abwesenheits-stunden

Bemerkung

Status

21

83174878

Humbert

Jehu

Feiertag

03.10.2026

03.10.2026

Ja

0,00

Gesetzlicher Feiertag - Tag der Deutschen Einheit

Außerhalb Planungswoche

22

65476103

Cypher

Hyde

Frei

04.09.2026

04.09.2026

Ja

0,00

Geplanter freier Tag

Außerhalb Planungswoche

23

28691538

Bushman

Jen

Beschäftigungsverbot

10.08.2026

11.08.2026

Ja

1,48

Beschäftigungsverbot

Außerhalb Planungswoche

24

83819956

Düller

Oliver

Berufsschule

11.08.2026

14.08.2026

Ja

Berufsschulunterricht

Außerhalb Planungswoche

25

78752041

Sapier

Jakob

Berufsschule

08.09.2026

10.09.2026

Ja

24,00

Berufsschulunterricht

Außerhalb Planungswoche

27

75500672

Beckert

Husein

Sonderurlaub

08.09.2026

10.08.2026

Ja

4,00

Genehmigter Sonderurlaub

Außerhalb Planungswoche

28

05690866

Bucier

Carlos

Fortbildung

14.08.2026

14.08.2026

Nein

08:00

12:00

4,00

Externe Fortbildung

Außerhalb Planungswoche

29

78758004

Bäcker

Janik

Frei

14.08.2026

24.08.2026

Ja

Geplanter freier Tag

Außerhalb Planungswoche

31

28691538

Bushman

Jetson

Sonderurlaub

22.08.2026

21.08.2026

Nein

18:00

18:00

4,00

Berufsschulunterricht

Außerhalb Planungswoche

21

05423365

Cawley

Jen

Sonstige Abwesenheit

23.09.2026

21.09.2026

Nein

14:30

18:30

4,00

Sonstige stundenweise Abwesenheit

Außerhalb Planungswoche

22

80383205

Dayley

Ernto

Urlaub

23.08.2026

20.08.2026

Nein

08:00

12:00

4,00

Sonstige stundenweise Abwesenheit

Außerhalb Planungswoche

23

80533031

Dintker

Jake

Urlaub

23.08.2026

08.08.2026

Ja

4,00

Geplanter Freizeitausgleich

Außerhalb Planungswoche

24

80553898

Botham

John

Freizeit

03.10.2026

07.08.2026

Ja

15,00

Geplanter Urlaubstag

Außerhalb Planungswoche

25

20891538

Cypher

Jehu

Frei

03.09.2026

07.08.2026

Ja

Geplanter freier Tag

Außerhalb Planungswoche

26

28925198

Hjelinten

Jeff

Sonderurlaub

03.09.2026

25.08.2026

Ja

1,60

Genehmigter unbezahlter Urlaub

Außerhalb Planungswoche

27

83174411

Hizzard

John

Sonstige Abwesenheit

20.09.2026

11.09.2026

Ja

24,00

Sonstige stundenweise Abwesenheit

Außerhalb Planungswoche

28

23699638

Bectrath

Jane

Frei

10.09.2026

11.09.2026

Ja

0,00

Geplanter freier Tag

Außerhalb Planungswoche

Functions and Options

Here you can enter absences such as vacation, illness, training, vocational school or other unavailable times for each employee. The entries can be all-day or with individual start and end times.

Public holidays can be automatically transferred to the selected period for the chosen federal state with just one click. Existing entries are taken into account, and duplicates are avoided.

Using practical shortcut functions, you can work efficiently – e.g. insert blank rows, delete unused rows, enter test data or clear the entire table.

Automatic Public Holiday Check

After entering the public holidays, you receive a clear summary containing all relevant information.

This gives you a quick overview of how many public holidays have been recorded and which employees have been automatically added.



Add public holidays automatically

Transfer state-specific public holidays with one click.



Individual absences

Vacation, illness, training
and more – recorded flexibly.



All-day or with time

Simple entry of day-based or hourly periods.



Efficient processing

Practical functions for fast and convenient planning.

Personal Project · Self-Study

Staff Deployment Planning

Efficient staff scheduling at a glance

Data.
Planning.
Decision-making.
Success.

The "Deployment Plan" sheet is the central working tool for operational staff scheduling. All relevant employees are available at a glance for the selected period – clearly structured and ready for immediate use.

Einsatzplan

Plan öffnen							Starten				Personalbedarf				Personalbedarf			
Vorwoche							stoppen				Bereich	Bedarf	geplant	Differenz	Bereich	Bedarf	geplant	Differenz
Folgewoche							Einstellungen				Leitung	24,49	0,00	-24,49	Leitung	24,49	0,00	-24,49
aktuelle Woche							Mitarbeiter laden				Verkauf	36,44	0,30	-36,08	Verkauf	36,44	0,30	-36,08
Analyse anzeigen							Einstellungen				Kasse	37,43	0,00	-37,43	Kasse	37,43	0,00	-37,43
Starten							Besetzungsprüfung Pflicht				Besetzungsprüfung Pflicht				Besetzungsprüfung Pflicht			
stoppen							X Einteiler – fehlt 06:00-22:00				X Einteiler – fehlt 06:00-22:00				X Einteiler – fehlt 06:00-22:00			
Mitarbeiter laden							X Brandschutz – fehlt 06:00-22:00				X Brandschutz – fehlt 06:00-22:00				X Brandschutz – fehlt 06:00-22:00			
Einstellungen							X Schichtvertretung – fehlt 06:00-22:00				X Schichtvertretung – fehlt 06:00-22:00				X Schichtvertretung – fehlt 06:00-22:00			
Abwesenheiten aus Verfügbarkeit laden							X Öffnung – fehlt um 06:00				X Öffnung – fehlt um 06:00				X Öffnung – fehlt um 06:00			
Abwesenheiten bearbeiten							X Schließung – fehlt um 22:00				X Schließung – fehlt um 22:00				X Schließung – fehlt um 22:00			
AutoPlaner starten																		
Berechnungsgruppe durchführen																		
Plan zurücksetzen																		
Plan speichern																		
Reset																		
Kasse																		
Frühdienst																		
Spätdienst																		
Schichtvertretung																		
Einteiler																		
Brandschutz																		
Öffnung																		
Schließung																		
Jahr	2026	KW	33	Ben. Std.	Verf. Std.	Diff. +/-	Montag				Dienstag				Mittwoch			
Plan Std.	0,00	Differenz über Std.	-984,09	984,09	505,26	-78,82	10.08.2026				11.08.2026				12.08.2026			
Pers.-Nr.	Nachname	Vorname	unter 18	Wochenl. AZ	Beschäft.	Funktion	Von	Bis	Paus	Bereich	Von	Bis	Paus	Bereich	Von	Bis	Paus	Bereich
80630901	Bantham	Jake	Nein	40:00	Vollzeit	Str.-Filialeitung												
31900041	Buzard	Hermo	Nein	40:00		Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
99698006	Cawley	Garrison	Nein	40:00	Auszubildender	Verkauf / Kasse	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
44602084	Coulter	Hortense	Nein	40:00	Vollzeit	Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.	Gepl. Bew.			AZ Bew.
65462509	Deyley	Errol	Nein	40:00	Vollzeit	Str.-Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
83919966	Disler	Oliver	Nein	40:00	Vollzeit	Str. Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
83174878	Humbert	Jehiu	Nein	40:00	Vollzeit	Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
78750241	Sapir	Jackson	Nein	40:00	Vollzeit	Filialeitung	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
65476703	Cypher	Hyde	Nein	38:00	Vollzeit	Kasse	Gepl. Abw.			AZ Bew.	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.
73508072	Beckert	Hussein	Nein	35:00	Auszubildender	Kasse	Gepl. Abw.			AZ Bew.	Gepl. Bew.			AZ Bew.	Gepl. Bew.			AZ Bew.



Automatic employee overview

All relevant employees are imported from the employee database and automatically sorted by their weekly working hours.



Complete master data

Important information such as employee number, name, weekly working hours and employment type is displayed directly in the plan.



Flexible period selection

Plan the desired week using the navigation buttons. Quickly switch between previous week, current week and next week.



Convenient functions

Add absences and public holidays with a single click. Start the automatic scheduling, run authorization checks or reset the plan.



Daily schedule at a glance

Working hours, breaks and assigned areas for each day are shown clearly and can be planned directly.



Direct overview

The current staffing requirements and any deviations can already be seen in the plan overview.



Personal Project · Self-Study

Employee Absences

Capture easily and plan automatically

In the "Employee Absences" area, all employee absence times are recorded and maintained. This includes vacation, illness, vocational training and other reasons for absence. Public holidays can be entered with just one click and are automatically taken into account in staff scheduling. All entries are transferred to the employee planning.

Data.
Planning.
Decision-making.
Success.

Abwesenheiten

ABWESENHEITEN													
Firmennummer 4090		Magdeburg-Zentrum		aktuelle Planungswoche: Jahr: 2026		KW: 52		Planungszeitraum von/bis:		21.12.2026		27.12.2026	
Anz. Akt. MA: 30				Anzahl erfasster Abwesenheiten in der aktuellen Planungswoche: 30				Summe der Abwesenheitsstunden:		193,36			
Feiertage eintragen				neu. Zeilen löschen		Datum		Uhrzeit		Leerzeile hinzufügen		Tabelle leeren	Testdaten eintragen <small>(zur Demonstration)</small>
Abwesenheits-ID	Personalnummer	Nachname	Vorname	Abwesenheitsart	Von	Bis	Ganztätig	Beginn	Ende	Abwesenheitsstunden	Bemerkung	Status	
-	37669635	Desai	Fitz	Feiertag	03.10.2026	03.10.2026	Ja			6,00	Gesetzlicher Feiertag - Tag der Deutschen Einheit	Außerhalb Planungswoche	
-	83174878	Humbert	Jehu	Frei	04.09.2026	04.09.2026	Ja			0,00	Geplanter freier Tag	Außerhalb Planungswoche	
-	65476703	Cypher	Hyde	Beschäftigungsverbot	10.08.2026	14.08.2026	Ja			38,00	Beschäftigungsverbot	Außerhalb Planungswoche	
-	28095198	Bushman	Jem	Berufsschule	11.08.2026	11.08.2026	Ja			1,48	Berufsschulunterricht	Außerhalb Planungswoche	
-	83919966	Didier	Oliver	Frei	24.08.2026	24.08.2026	Ja				Geplanter freier Tag	Außerhalb Planungswoche	
-	83919266	Didier	Oliver	Sonderurlaub	08.09.2026	10.09.2026	Nein			24,00	Sonderurlaub	Außerhalb Planungswoche	
-	78750241	Sapir	Jackson	Frei	18.08.2026	18.08.2026	Ja			4,00	Geplanter freier Tag	Außerhalb Planungswoche	
-	73508072	Beckert	Hussein	Fortbildung	04.08.2026	04.08.2026	Nein	08:00	12:00	4,00	Teilzeit-Fortbildung	Außerhalb Planungswoche	
-	78750241	Sapir	Jackson	Frei	12.08.2026	12.08.2026	Ja			4,00	Geplanter freier Tag	Außerhalb Planungswoche	
-	83919966	Didier	Oliver	Berufsschule	21.08.2026	21.08.2026	Nein	14:30	18:30	3,00	Berufsschulunterricht	Außerhalb Planungswoche	
-	28095198	Bushman	Jem	Sonstige Abwesenheit	17.08.2026	17.08.2026	Nein	07:30	18:30	3,00	Sonstige stundenweise Abwesenheit	Außerhalb Planungswoche	
-	65425269	Dayley	Errol	Sonstige Abwesenheit	02.09.2026	02.09.2026	Nein	08:00	12:00	40,00	Sonstige stundenweise Abwesenheit	Außerhalb Planungswoche	
-	80053091	Brabham	Jake	Urlaub	31.08.2026	04.09.2026	Ja			40,00	Geplanter Erholungstag	Außerhalb Planungswoche	
-	80053091	Brabham	Jake	Fortbildung	07.09.2026	04.09.2026	Ja			16,00	Betriebliche Fortbildung	Außerhalb Planungswoche	
-	65476703	Cypher	Hyde	Frei	07.09.2026	07.09.2026	Ja				Geplanter freier Tag	Außerhalb Planungswoche	
-	28095198	Bushman	Jem	Sonderurlaub	03.09.2026	03.09.2026	Nein				Sonderurlaub	Außerhalb Planungswoche	
-	51900041	Buzard	Hermo	Sonstige Abwesenheit	26.08.2026	18.08.2026	Nein				Sonstige Abwesenheit	Außerhalb Planungswoche	

Feiertage ergänzt



Die Feiertagsplanung wurde abgeschlossen.

Bundesland: Sachsen-Anhalt

Zeitraum: 11.09.2026 bis 11.09.2027

Berücksichtigte Feiertage: 10

Neu ergänzte Mitarbeiterbeiträge: 146

Bereits vorhandene Einträge: 0

Wegen Eintritt oder Befristung nicht angelegt: 14

OK



All absences centrally recorded

Vacation, illness, vocational training and other absence reasons are clearly maintained and directly integrated into the scheduling.



Public holidays automatically added

With just one click, public holidays for the selected region are introduced for the chosen period and automatically assigned to all active employees as absences.



Clear planning reliability

All absence times flow directly into staff requirements planning, ensuring realistic and reliable deployment scheduling – with minimal manual effort.



Transparency & control

The deployment plan shows at a glance who is absent, when they are absent and in which areas a staffing requirement still exists.



Personal Project · Self-Study

Staff Deployment Planning

AutoPlanner – automated staff scheduling

Schedules at the push of a button

After entering all employees, absences and public holidays, AutoPlanner automatically creates the duty schedules for the selected period – quickly, reliably and in compliance with all relevant requirements.

Data.
Planning.
Decisions.
Success.



Less effort.
More time
for what really
matters.

For efficient planning
and satisfied teams.

1 Start AutoPlanner

Automatically create duty schedules



Start AutoPlanner

With one click on the button, AutoPlanner is started automatically. A security query is displayed before the start.

AutoPlanner starten



Soll der AutoPlanner jetzt vollständig gestartet werden?
Alle Module von 01.01 bis 01.12 werden automatisch nacheinander ausgeführt.

Ja

Nein



Automated process

Complete and compliant

After the start, the modules (e.g. till, sales, management) are processed sequentially and the schedules are created automatically. The following information is taken into account:

- ✓ available employees and contract hours
- ✓ recorded absences and public holidays
- ✓ legal requirements and opening hours
- ✓ qualifications and assignment preferences
- ✓ optimal distribution of working hours

	Monday 10.08.2026			Tuesday 11.08.2026			Wednesday 12.08.2026			Thursday 13.08.2026			Friday 14.08.2026			Saturday 15.08.2026			Sunday 16.08.2026			Req. staff Mon–Sun	Total +/-
	From	To	Area	From	To	Area	From	To	Area	From	To	Area	From	To	Area	From	To	Area	From	To	Area		
Management	06:00	14:30	Sales	06:00	16:30	Sales	08:00	16:30	Sales	06:30	22:00	Sales	06:00	14:30	Sales	06:00	16:30	Sales	06:00	14:30	Sales	44.00	+4.00
Sales	13:30	22:00	Till	06:00	14:30	Till	06:00	14:30	Till	13:30	22:00	Till	13:30	22:00	Till	13:30	22:00	Till	06:00	14:30	Till	38.00	-4.00
Till	08:00	16:00	Till	13:30	22:00	Sales	13:30	22:00	Sales	13:30	22:00	Sales	08:00	16:00	Till	13:30	22:00	Sales	13:30	22:00	Sales	40.00	+0.00
Hiring freeze				07:05			07:05			07:05			07:05			07:05			07:05			32.00	+2.00
Vacation				00:00			00:00			00:00			00:00			00:00			00:00			28.00	-1.00
Planned absence				NA			NA			NA			NA			NA			NA			16.00	-4.00
																						9.48	+0.48

2 AutoPlanner completed

Results and next steps

After successful execution, you receive a confirmation with the most important results and information for further processing.

AutoPlanner abgeschlossen



Der AutoPlanner wurde vollständig ausgeführt.
Build: 2026-07-27-R1
Bearbeitungszeit: 05 Sekunden
Bitte kontrollieren Sie die Besetzungsprüfung, den Personalbedarf und die Wochenstunden.

OK



Check the results

Review and adjust planning

After the automatic run, you should check the staffing validation, the staff requirements and the weekly hours and adjust them manually if necessary.



All absences at a glance

Holidays, illness, vocational training and other absences are clearly displayed and directly integrated into the planning.



Modules automatically planned

The individual modules (e.g. till, sales, management) are processed in the correct sequence and optimised automatically.



Plausibility checks

Numerous checks are performed during planning to prevent overlapping shifts, violations or non-permissible assignments.



Quick results

The schedules are available shortly after starting and can be further processed directly.



A self-initiated project that creates perspective.
Turning ideas into opportunities.

Deployment Planning

Run Staffing Validation

More security in daily operations

Automatic validation of the deployment plan

The staffing validation automatically checks whether qualified staff has been scheduled for all relevant areas and times. Both the predefined regulatory requirements and the individual rules of your store are taken into account.

After the validation, you receive a daily overview of which mandatory areas are fully staffed and where there is still a need for action.

*Data.
Planning.
Decisions.
Success.*



Comply with regulatory requirements.

For safe and smooth daily operations.

Less effort.
More time for what really matters.



Run staffing validation
Start validation

Click the button to start the staffing validation for the currently displayed days. The results are shown directly in the daily overview and indicate whether all mandatory areas are staffed.

Monday 10.08.2026				Tuesday 11.08.2026				Wednesday 12.08.2026				Thursday 13.08.2026			
Area	Required	Planned	Difference	Area	Required	Planned	Difference	Area	Required	Planned	Difference	Area	Required	Planned	Difference
Management	24.49	22.00	-2.49	Management	21.54	22.00	+0.06	Management	24.49	22.00	-2.49	Management	21.54	23.00	+1.06
Sales	36.44	32.00	-4.44	Sales	32.25	28.00	-4.25	Sales	36.44	34.00	-2.44	Sales	32.25	34.00	+1.35
Cashier	37.43	32.30	-5.13	Cashier	33.17	32.30	-0.47	Cashier	37.43	32.30	-5.13	Cashier	33.17	31.30	-1.47
Warehouse	08.00	08.00	+0.00	Warehouse	08.00	08.00	+0.00	Warehouse	08.00	08.00	+0.00	Warehouse	08.00	08.00	+0.00
Mandatory staffing check				Mandatory staffing check				Mandatory staffing check				Mandatory staffing check			
✓	First aider			✓	First aider			✓	First aider			✓	First aider		
✓	Fire protection			✓	Fire protection			✓	Fire protection			✓	Fire protection		
✓	Shift responsibility			✓	Shift responsibility			✓	Shift responsibility			✓	Shift responsibility		
✓	Store opening			✓	Store opening			✓	Store opening			✓	Store opening		
✓	Store closing			✓	Store closing			✓	Store closing			✓	Store closing		



Automatic validation – more security in daily operations

The staffing validation compares the planned working hours with the regulatory requirements and the specifications stored in the branch parameters. You can immediately see whether all mandatory areas are staffed and can take corrective action if needed.



All relevant data included

Employees, qualifications, absences, public holidays and opening hours are automatically taken into account in the validation.



Mandatory areas at a glance

The legally defined mandatory areas and the individual specifications of your branch are checked reliably.



Quick results

Within seconds you receive a clear overview and can react directly to deviations.



Efficient planning

Ensure compliant, safe and smooth deployment planning – with less manual effort.



A self-initiated project that creates perspective.
Turning ideas into opportunities.

Personal Project · Self-Study

Deployment Planning

Staffing requirements at a glance

The edeployment plan shows the current staffing requirements for each day and area, the planned staffing levels and the resulting difference. This allows you to immediately see whether the planning meets the requirements or if there is still a need for action.

Data.
Planning.
Decisions.
Success.



**Less effort.
More time
for what really
matters.**

For efficient
planning and
satisfied teams.

1 Daily overview and evaluation

For each day, a summary with evaluation is displayed.

Area	Required	Planned	Difference
Management	21:54	12:00	-9:54
Sales	32:25	44:40	+11:35
Cashier	33:17	28:30	-4:47

D
37 / 100 points
Critical planning
Requirement 40/40 · Mandatory 30/30
Balances 5/20 · Individual 2/10

37 / 100 points · Critical planning
Requirement 40/40 · Mandatory 30/30
Balances 5/20 · Individual 2/10

i Planning evaluation

For each day, an overall evaluation is displayed. This takes into account the current planning and checks whether all requirements are met.

The following information is considered:

- ✓ Score (e.g. 37 / 100)
- ✓ Classification (e.g. D. Critical planning)
- ✓ Overview of requirements, mandatory areas, balances and individual factors

2 Staffing requirements per area

For each area, the current requirements, planned staffing and the difference are displayed. The clear presentation allows for a quick assessment of the situation.

Area	Required	Planned	Difference
Management	21:54	12:00	-9:54
Sales	32:25	44:40	+11:35
Cashier	33:17	28:30	-4:47

Understaffing
Too few staff

Area	Required	Planned	Difference
Management	30:39	16:00	-14:39
Sales	45:23	32:00	-13:23
Cashier	46:36	16:00	-30:36

Significant need for action
Immediate measures required

Area	Required	Planned	Difference
Management	20:04	24:00	+3:55
Sales	29:42	36:00	+6:17
Cashier	30:31	24:00	-6:31

Balanced planning
Staffing requirements largely covered

3 Check mandatory staffing

The deployment plan automatically checks whether all legally or operationally required functions are staffed during the relevant times.

Mandatory staffing check

- ✓ First aider
- ✓ Fire protection
- ✓ Shift responsibility
- ✓ Store opening
- ✓ Store closing

These include, among others, first aider, fire protection officer, shift supervisor and the staffing of opening and closing services. Any deviations are displayed immediately so that you can see at a glance which mandatory areas are staffed and where there is still a need for action.



Safety & Compliance

All mandatory areas are automatically checked to ensure a compliant and smooth store operation in accordance with legal and operational requirements.



Transparent overview

Requirements, planning and differences at a glance.



Fast analysis

Identify bottlenecks immediately.



Optimize planning

Targeted adjustments for balanced staffing.



Legal certainty

Compliance with all legal and operational requirements.



A self-initiated project that creates perspective.
Turning ideas into opportunities.

Personal Project · Self-Study

Deployment Planning

Qualifications and staffing options

Using the selection buttons, the planner can easily display which employees are qualified for specific tasks or functions. The results are displayed in a clear overview and make it easier to plan an efficient staff deployment.

Data.
Planning.
Decisions.
Success.



Targeted planning.

The right employees at a glance – quick, simple and clear.

Less effort.
More time
for what really matters.

1 Select function

Choose a function to display the qualified employees.

Cashier

Early shift

Late shift

Shift supervisor

First aider

Fire protection

Store opening

Store closing



Select function

With one click on a function, all qualified employees for this task are displayed in the deployment plan and are highlighted in colour.

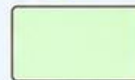
2 Example: Qualification "Cashier"

Display of the qualified employees.

Employee ID	Last name	First name	Cashier
80053091	Brabham	Jake	Yes
51900041	Buzzard	Hernmo	No
09569806	Cawley	Garrison	Yes
44602084	Coulter	Hortense	No
63453269	Dayley	Errol	Yes



Qualified employees



Employees who are qualified for the selected function are highlighted in the deployment plan.



Quick overview

You can immediately see which employees are available for the desired function.

3 Further qualifications

All available qualifications at a glance.


☐ Cashier

☐ Early shift

☐ Late shift

☐ Shift supervisor

☐ First aider

☐ Fire protection

☐ Store opening

☐ Store closing


Flexible use

All qualifications can be combined individually and displayed in the deployment plan as needed.

4 Your benefits

Efficient planning and secure processes



Save time

Make quick adjustments in the deployment plan with a clear overview.



Avoid errors

Deploy only qualified employees for each function.



Efficient planning

Optimal staffing through transparent qualification data.



Greater security

Important functions such as first aider or fire protection are visible at all times.



A self-initiated project that creates perspective.

Turning ideas into opportunities.

Personal Project · Self-Study

Deployment Planning

User Interface and Central Functions

All important functions at a glance

The start page of the deployment plan provides a clearly structured user interface with all central functions. Using the clearly designed control elements, employees can be entered, absences managed, the AutoPlanner started and settings configured.

Data.
Planning.
Decisions.
Success.



Easy to use

All important functions are centrally arranged and clearly structured – for efficient planning and satisfied teams.



Central control

The start page is the heart of the deployment planning tool. From here you have direct access to all functions – from employee management and absence administration to the AutoPlanner and the various qualifications.

1 Deployment plan start page

Central user interface

Open plan	Previous week	Next week	Current week	Show analysis	Start	Stop	
Load employees				Settings			
Load absences & public holidays	Edit absences	Start AutoPlanner	Run staffing validation	Reset plan	Save plan	Reset	
Cashier	Early shift	Late shift	Shift supervisor	First aider	Fire protection	Store opening	Store closing
	Year	CW	Planned hrs	Available hrs	Difference		
	2026	33	584.09	505.26	-78.82		
Emp. ID	Last name	First name	Area	Weekly hrs	Employment type	Function	
80053091	Brabham	Jake	Management	40.00	Full-time	Branch manager	
51900041	Buzzard	Hemmo	Sales	40.00	Full-time	Store management	
09569806	Cawley	Garrison	Cashier	40.00	Trainee	Sales / Cashier	
44602084	Coulter	Hortense	Sales	40.00	Full-time	Branch management	

2 Navigation and time period

Quick navigation between weeks

Open plan	Previous week	Next week	Current week	Show analysis
-----------	---------------	-----------	--------------	---------------

With these navigation buttons you can easily select the desired planning period (week). The analysis provides a quick overview of the current status of the planning.

4 Absences and planning

Manage absences and control planning

Load absences & public holidays	Edit absences	Start AutoPlanner	Run staffing validation	Reset plan	Save plan	Reset
---------------------------------	---------------	-------------------	-------------------------	------------	-----------	-------

In this area you can manage absences and public holidays, start the AutoPlanner, run the staffing validation and reset or save the plan if needed.

3 Employees and settings

Manage and plan employees

Load employees	Settings
----------------	----------

Employees can be loaded automatically into the deployment plan. In the "Settings" area, additional parameters for the planning can be customised.

5 Qualifications

Qualifications at a glance

Cashier	Early shift	Late shift	Shift supervisor
First aider	Fire protection	Store opening	Store closing

Using these buttons, you can display the employees qualified for specific tasks – for example cashier, early shift, late shift, shift supervisor, first aider, fire protection, store opening and store closing.

6 Planning overview

Important key figures at a glance

Year	CW	Planned hrs	Available hrs	Difference
2026	33	584.09	505.26	-78.82

The key figures at the top provide a quick overview of the current planning period, the planned hours, available hours and the resulting difference.

Personal Project · Self-Study

Thank You for Your Interest!

You are the recipient of this documentation, or you came across it because you are interested in this project and would like to learn more about me and my work?

Then feel free to visit my website.

There you will find further insights, current projects and the opportunity to get in touch with me directly.

*Data.
Planning.
Decisions.
Success.*



Targeted planning.
The right employees
at a glance –
quick, simple and
clear.

**Less effort.
More time
for what really
matters.**

Visit my website

Further insights. Current projects. Direct contact.



christian-maier.com

People. Structures. Results.
My projects – my path – my passion.



*Simply scan
and discover
more!*



What drives me in this project

With AutoPlanner V3, I pursue the goal of developing practical solutions for the real challenges of individual retail stores. My aim is to create efficient planning, transparent processes and the best possible support for employees in their daily work. This project is more than just a technical exercise for me – it is an opportunity to combine my knowledge, my experience and my passion for retail and to create real added value.



Important note

Fictitious data – no anonymization required.
All data, people, names, times and other information shown in this project documentation are completely fictitious and serve exclusively to demonstrate the functions and presentation within the scope of this personal project. They do not represent real employees, stores or company data.
Therefore, no anonymization of the data is necessary.