



مصنع شركة محمد بن نهار القحطاني

MOHAMMED BIN NAHAR ALQAHTANI Co. FACTORY



أنابيب UPVC
UPVC Pipe



وصلات UPVC
UPVC Joints



ليات الكهرباء
Electric Hose



أنابيب HDPE
HDPE Pipes





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Introduction

A national group involved in the import, wholesale, and retail of building materials, spare parts, and the manufacture of reinforcement steel and various plastic products, operating through branches across the Kingdom of Saudi Arabia.

The group's foundation is built on exceptional customer service, ensuring fair transactions that meet client expectations.

Established in 1984 by a Saudi cadre, the group aimed to become a pioneering company in the Kingdom. Its primary objective is to import and manufacture high-quality products at competitive prices, while ensuring clients gain full benefits from products manufactured in-house or imported with special specifications. The client is the central focus and primary success factor for Mohammed Bin Nahar Alqahtani Trading & Industry Group.

The continuous demand for construction materials led to the establishment of an additional entity to align with the Kingdom's manufacturing development.

In 2015, Mohammed Bin Nahar Al Qahtani Factory for Steel and Plastic Industries was launched, specializing in pipes, PVC ducts, reinforcement steel, and steel bars. The factory is located in the 3rd Industrial City in Riyadh, Saudi Arabia.

Currently, the factory is establishing two unique brands to emphasize its manufacturing capabilities:



مقدمة

مجموعة وطنية تعمل في استيراد وبيع الجملة والتجزئة للمواد البنائية وقطع الغيار، وتصنيع الحديد المسلح ومنتجات البلاستيك المختلفة، وتعمل من خلال فروع في جميع أنحاء المملكة العربية السعودية

تأسست المجموعة على خدمة العملاء الاستثنائية، مما يضمن معاملات عادلة تلبي توقعات العملاء

تأسست المجموعة في عام 1984 على يد كادر سعودي، وتهدف إلى أن تكون شركة رائدة في المملكة. الهدف الرئيسي هو استيراد وتصنيع منتجات عالية الجودة بأسعار تنافسية، مع ضمان حصول العملاء على الفوائد الكاملة من المنتجات المصنعة داخلياً أو المستوردة بمواصفات خاصة. العميل هو محور التركيز والعامل الأساسي للنجاح لمجموعة محمد بن نهار القحطاني للتجارة والصناعة

أدى الطلب المستمر على مواد البناء إلى إنشاء كيان إضافي ليتماشى مع التطور في صناعة المملكة

في عام 2015، تم إطلاق مصنع شركه محمد نهار القحطاني للحديد والبلاستيك، متخصصاً في حديد التسليح. وصناعة الانابيب والوصلات البلاستيكية. يقع المصنع في مدينه بوابه الصناعات بمدينه الرياض

حالياً، يقوم المصنع بتأسيس اربع علامات تجارية لتسليط الضوء على قدراته التصنيعية:





Vision

To Make Mohammed Bin Nahar AlQahtani the first choice for plastic Industry.

Mission

We aim to satisfy our clients by providing high-quality products at competitive prices through sales depots and distribution across the Kingdom and GCC region. Our focus is on achieving state-of-the-art technology in plastic forming and steel processing. We are committed to meeting client demand through continuous expansion of our product offerings, while ensuring transparency and fair dealing in all transactions.

Commitment

- To be quality innovators
- Transparency with clients and suppliers

Key Values

- INTEGRITY: We stick to the truth and work sincerely in all our transactions.
- COMMITMENT: We increase our capabilities and resources when necessary to achieve high quality results
- INNOVATION & CREATIVITY: We encourage innovation and creativity as a established business system.
- FAIR DEALING: We deal fairly for the interest of our clients.
- TEAM WORK: We are equipped with enabled professional manpower.

رؤيتنا

لجعل مصنع شركه محمد نهار القحطاني الخيار الأول في صناعة البلاستيك.

مهمتنا

نهدف إلى تلبية احتياجات عملائنا من خلال تقديم منتجات عالية الجودة بأسعار تنافسية عبر نقاط البيع والتوزيع في المملكة ومنطقة الخليج. نركز على تحقيق تقنيات متطورة في تشكيل . البلاستيك ومعالجة الصلب. نحن ملتزمون بتلبية طلب العملاء من خلال التوسع المستمر في مجموعة منتجاتنا، مع ضمان الشفافية والتعامل العادل في جميع المعاملات

التزامنا

- أن نكون مبتكرين في الجودة
- الشفافية مع العملاء والموردين

التزامنا

- النزاهة : نتمسك بالحق ونعمل بصدق في جميع معاملتنا
- الالتزام : نزيد من قدراتنا ومواردنا عند الحاجة لتحقيق نتائج عالية الجودة
- الابتكار والإبداع : نشجع الابتكار والإبداع كنظام عمل مؤسسي
- التعامل العادل : نتعامل بإنصاف لمصلحة عملائنا
- العمل الجماعي : نحن مجهزون بكوادر مهنية مؤهلة



SMNS UPVC Material Formulation and Compounding Production

Our factory has a dedicated area for material formulation and the compounding process to supply materials for the production of UPVC (Unplasticized Polyvinyl Chloride) pipes and fittings. We maintain compliance with standard material formulations, and internal controls are in place to ensure an organized processing system and to uphold the quality of the formulations.

SMNS UPVC Pipes and Fittings Production

At Mohammed Bin Nahar Al Qahtani for Steel and Plastics Industry, we produce UPVC-based pipes and fittings. Today, UPVC pipes have become a critical component in the piping systems of the construction and mechanical installation industries. Due to the reliable and durable nature of plastic pipes, they offer practical benefits and are widely used by engineers, contractors, designers, and other professionals. Appropriate compliance with industry standards is maintained, including:

For UPVC Fittings:

- ASTM D2466 for Schedule 40 (non-pressure applications, such as water lines, drainage, and irrigation)
- ASTM D2467 & ASTM D2464 for Schedule 80 (pressure applications, such as cold water)
- German DIN 8063 for non-pressure solvent cement & Class 5 (high-pressure water lines)
- SASO and British Standards for electrical wiring applications

For UPVC Pipes:

- SAS 14-15/1998
- German Standards DIN 8062
- American Standards D1785 & D2241
- British Standards BS 3505/506

These standards are adhered to throughout our processes to ensure the integrity and reliability of molded plastic products in the piping system.





قسم أنابيب UPVC

UPVC Pipes Section





UPVC Pipe standards according to ASTM D 1785 SCHEDULE 40 & SCHEDULE 80

PIPE OUTSIDE DIAMETER (OD)		SCHEDULE 40					SCHEDULE 80			
NOMINAL (mm)	OD TOLERANCE		WALL THICKNESS (mm)		WEIGHT Kg/ M	PRESSURE RATING (Bar)	WALL THICKNESS (mm)		WEIGHT Kg/ M	PRESSURE RATING (Bar)
	MIN	MAX	MIN	MAX			MIN	MAX		
1/2	21.2	21.5	2.8	3.3	0.24	41.4	3.7	4.2	0.10	58.6
3/4	26.6	26.9	2.9	3.4	0.33	33.1	3.9	4.4	0.41	47.6
1	33.4	33.7	3.4	3.9	0.48	31.0	4.6	5.1	0.60	43.4
1 1/4	42.1	42.4	3.6	4.1	0.65	25.5	4.9	5.4	0.4	35.9
1 1/2	48.1	48.4	3.7	4.2	0.77	22.7	5.10	5.7	1.03	32.4
2	60.2	60.5	3.9	4.4	1.04	19.3	5.5	6.2	1.41	27.6
3	88.7	89.1	5.5	6.2	2.14	17.9	7.6	8.5	2.88	25.5
4	114.1	114.5	6.0	6.7	3.05	15.2	8.6	9.6	4.22	22.1
6	168.0	168.5	7.1	8.0	5.37	12.4	11.0	12.3	8.05	19.3
8	218.8	219.4	8.2	9.2	8.11	11.0	12.7	14.2	12.23	17.2

STANDARD LENGTH 4.0,5.8,6.0 Meters

STANDARD COLOR SCHEDULE 40 is white & SCHEDULE 80 is Dark Gray

SOCKET TYPE Solvent Weld



UPVC Pipe standards according to ASTM-2241 (STANDARD DIMENSION RATIO (SDR))

OUTSIDE DIAMETER (mm)			WALL THICKNESS (mm)											
NOMINAL Size (Inch)	BAR		SDR	41	SDR	42.5	SDR	26	SDR	21	SDR	17	SDR	13.5
			WP[BAR]	6.9	WP[BAR]	8.6	WP[BAR]	11	WP[BAR]	13.8	WP[BAR]	17.2	WP[BAR]	21.7
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
1/2	21.24	21.44											1.57	2.08
3/4	26.57	26.77							1.52	2.03	1.57	2.08	1.98	2.49
1	33.27	33.53					1.52	2.03	1.60	2.11	1.96	2.46	2.46	2.97
1 1/4	42.03	42.29			1.52	2.03	1.63	2.13	2.01	2.52	2.49	3.0	3.12	3.63
1 1/2	48.11	48.41			1.52	2.03	1.85	2.36	2.29	2.8	2.84	3.35	3.58	4.09
2	60.17	60.47			1.85	2.36	2.31	2.82	2.87	3.38	3.56	4.06	4.47	4.98
3	88.7	89.1	2.16	2.67	2.74	3.25	3.43	3.94	4.24	4.75	5.23	5.87	6.58	7.37
4	114.07	114.53	2.8	3.3	3.51	4.01	4.39	4.9	5.44	6.1	6.73	7.54	8.46	9.47
6	168.0	168.56	4.11	4.62	5.18	5.8	6.48	7.26	8.03	9.0	9.91	11.10	12.47	13.97
8	218.7	219.46	5.33	5.97	6.73	7.54	8.43	9.45	10.41	11.66	12.9	14.45		

STANDARD LENGTH 4.0,5.8,6.0 Meters

STANDAR COLOR White

SOCKET TYPE Solvent Weld





UPVC Pipe standards according to SAS 14-15/ 1998 and din 8062

OUTSIDE DIAMETER (OD)		CLASS 1 [2.5 Bar]		CLASS 2 [4 Bar]		CLASS 3 [6 Bar]		CLASS 4 [10 Bar]		CLASS 5 [16 Bar]	
NOMNIAL (mm)	TOLERANCE (mm)	WALL THICKNESS (mm)	WEIGHT (kg/m)	WALL THICKNESS (mm)	WEIGHT (kg/m)	WALL THICKNESS (mm)	WEIGHT (kg/m)	WALL THICKNESS (mm)	WEIGHT (kg/m)	WALL THICKNESS (mm)	WEIGHT (kg/m)
16	+0.2									1.20	0.090
20	+0.2									1.50	0.137
25	+0.2							1.50	0.174	1.90	0.212
32	+0.2							1.80	0.264	2.40	0.342
40	+0.2					1.80	0.344	1.90	0.350	3.00	0.525
50	+0.2					1.80	0.422	2.40	0.552	3.70	0.809
63	+0.2					1.90	0.562	3.00	0.854	4.70	1.290
75	+0.3			1.80	0.642	2.20	0.782	3.60	1.220	5.60	1.820
90	+0.3			1.80	0.774	2.70	1.130	4.30	1.750	6.70	2.610
110	+0.3	1.80	0.95	2.20	1.160	3.20	1.640	5.30	2.610	8.20	3.900
125	+0.3	1.80	1.08	2.50	1.480	3.70	2.130	6.00	3.340	9.30	5.010
140	+0.4	1.80	1.21	2.80	1.840	4.10	2.650	6.70	4.180	10.40	6.270
160	+0.4	1.80	1.39	3.20	2.410	4.70	3.440	7.70	5.470	11.90	8.170
200	+0.4	1.80	1.74	4.00	3.700	5.90	5.370	9.60	8.510	14.90	12.800
225	+0.5	1.80	1.96	4.50	4.700	6.60	6.760	10.80	10.800	16.70	16.100
250	+0.5	2.00	2.40	4.90	5.640	7.30	8.310	11.90	13.200	18.60	19.900
280	+0.6	2.30	3.11	5.50	7.110	8.20	10.400	13.40	16.600	20.80	24.900
315	+0.6	2.50	3.78	6.20	9.020	9.20	13.200	15.00	20.900	23.40	31.500
400	+0.7	3.20	6.10	7.90	14.500	11.70	21.100	19.10	33.700	29.70	50.800
450	+0.8	3.60	7.65	8.90	18.300	13.20	26.800	21.50	42.700		
500	+0.9	4.00	9.38	9.80	22.400	14.60	32.900	23.90	52.600		

STANDARD LENGTH
SOCKET TYPE

5.8 - 6.0 Meters
Solvent Weld or Rubber Ring Socket for SIZE 4" , 6" & 8" Class B & E

STANDARD COLOR Dark Gray





قسم وصلات UPVC UPVC Joints Section





Tee

Quality	Size
720	3/4
55	1 1/2
20	2
64	4
16	6
12	6*4
80	110

90° Elbow with access cap

Quality	Size
24	4
32	110

Vent Cowl

Quality	Size
160	110

P-Trap

Quality	Size
24	110
20	4

Couplings

Quality	Size
720	3/4
55	1 1/2
20	2
64	4
16	6
40	6*4
80	110

WYE Schedule

Quality	Size	
55	1 1/2	
30	2	
15	4	
4	6	
7	6*4	
20	110	



90° Degree Elbows

Quality	Size
400	3/4
110	1 1/2
250	2
36	4
10	6
40	110



45° Short Turn Elbow

Quality	Size
500	3/4
120	1 1/2
250	2
48	4
12	6
55	110

End Cap

	Quality	Size
	48	110
	60	160
	60	6





Orange WYE Schedule

Quality	Size
15	110
6	160
10	110*160



110*160 Reducer Bushing

Quality	Size
30	110*160



Orange Elbow 45°

Quality	Size
40	110
15	160



Orange WYE Schedule

Quality	Size
15	110
8	160*110
5	160



Coupling

Quality	Size
50	110
16	160



Cap

Quality	Size
45	110



90° Degree Elbow

Quality	Size
25	110
10	160



ليات كهربائية ELECTRICAL Hose

S.No	Size	Length	Color
1	16mm	35m	Orange/Black
2	23 mm	35m	Orange/Black



أنابيب HDPE Pipe HDPE



AS PER DIN 8074-1999E SPECIFICATIONS - HDPE Pipe / أنابيب HDPE

Nominal Outside Diameter (mm)	SDR 41 S 20 PN 4		SDR 26 S 12.5 PN 6.3		SDR 17 S 8 PN 10		SDR 15.6 S 6.5 PN 12.5		SDR 11 S 5 PN 16		SDR 9 S 4 PN 20	
	Wall Thickness (mm)	Weight Kg/M	Wall Thickness (mm)	Weight Kg/M	Wall Thickness (mm)	Weight Kg/M	Wall Thickness (mm)	Weight Kg/M	Wall Thickness (mm)	Weight Kg/M	Wall Thickness (mm)	Weight Kg/M
16	-	-	-	-	-	-	-	-	-	-	1.8	0.084
20	-	-	-	-	-	-	1.8	0.107	1.9	0.112	2.3	0.133
25	-	-	-	-	1.8	0.137	1.9	0.144	2.3	0.171	2.8	0.200
32	-	-	-	-	1.9	0.187	2.4	0.232	2.9	0.272	3.6	0.327
40	-	-	1.8	0.227	2.4	0.295	3	0.356	3.7	0.43	4.5	0.509
50	-	-	2.0	0.314	3	0.453	3.7	0.549	4.6	0.666	5.6	0.788
63	1.8	0.364	2.5	0.494	3.8	0.721	4.7	0.673	5.8	1.05	7.1	1.26
75	1.9	0.457	2.9	0.675	4.5	1.02	5.6	1.24	6.8	1.47	8.4	1.76
90	2.2	0.643	3.5	0.978	5.4	1.46	6.7	1.77	8.2	2.12	10.1	2.54
110	2.7	0.943	4.2	1.43	6.6	2.17	8.1	2.62	10	3.14	12.3	3.78
125	3.1	1.23	4.8	1.84	7.4	2.76	9.2	3.37	11.4	4.08	14	4.87
140	3.5	1.54	5.4	2.32	8.3	3.46	10.3	4.22	12.7	5.08	15.7	6.11
160	4.0	2	6.2	3.04	9.5	4.52	11.8	5.5	14.6	6.67	17.9	7.96
180	4.4	2.49	6.9	3.79	10.7	5.71	13.3	6.98	16.4	8.42	20.1	10.1
200	4.9	3.05	7.7	4.69	11.9	7.05	14.7	8.56	18.2	10.4	22.4	12.4
225	5.5	3.86	8.6	5.89	13.4	8.93	16.6	10.9	20.5	13.1	25.2	15.8
250	6.2	4.83	9.6	7.3	14.8	11.0	18.4	13.4	22.7	16.2	27.9	19.4
280	6.9	5.98	10.7	9.1	16.6	13.7	20.6	16.8	25.4	20.3	31.3	24.3
315	7.7	7.52	12.1	11.6	18.7	17.4	23.2	21.2	28.6	25.6	35.2	30.8



انابيب مموجه PECD

Poly ethelene Corrugated Ducts

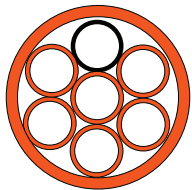


DESIGN REQUIREMENTS

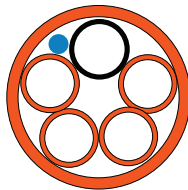
PECD are supplied in types according to Table – 1

Type	Description	Application
1	HDPE-CD 110 mm OD, With 7 Sub-ducts, 29 mm OD.	FOC installations.
2	HDPE-CD 110 mm OD, With 5 Sub-ducts, 33 mm OD.	FOC installations.
3	HDPE-CD 110 mm OD, With 3 Sub-ducts, 42 mm OD.	FOC installations.
4	HDPE-CD 110 mm OD, Without Sub-ducts.	Copper cable installations.
5	HDPE-CD 77 mm OD, With 3 Sub-ducts, 27.2 mm OD	FOC installations.
6	HDPE-CD 77 mm OD, Without Sub-ducts.	FOC or Copper cable installations.
7	HDPE-CD 110 mm OD, With 4 Sub-ducts, 38 mm OD	FOC installations.

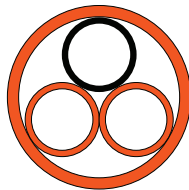
Design Configuration



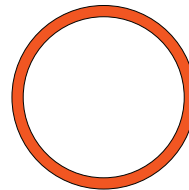
Type 1



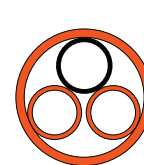
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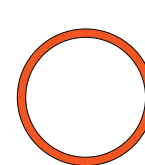
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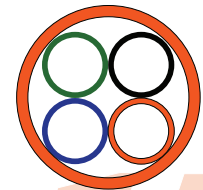
Type 4



Type 5



Type 6

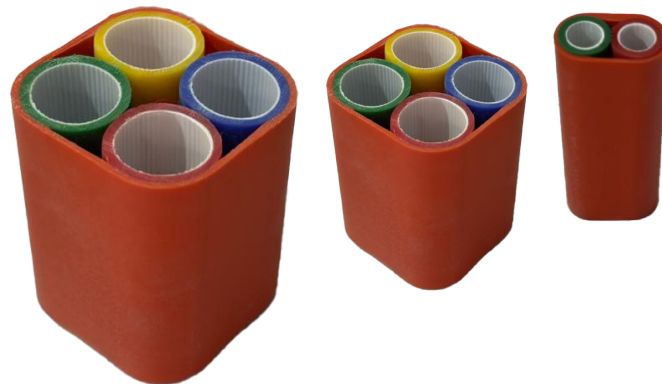


Type 7

Table 1: Types of HDPE Corrugated Ducts, Type 2 with trice wire (copper, 0.8 mm)

HDPE-CD main duct and sub-duct and their accessories shall be designed according to Table – 2

	Parameters		Requirements		
2.1	HDPE Corrugated Main Duct & Sub-Duct				
2.1.1	Compound Material		High Density Polyethylene (HDPE), PE100, virgin raw-material only		
2.2	Dimensions, nominal (mm)				
	Type	Design Configuration	Inside Dia.	Thickness	Outside Dia.
	1	HDPE-CD, Main Duct	90±2	2.5±0.5	110±2
		HDPE, 7 Sub-Duct	25±1	2.0±0.2	29±1
	2	HDPE-CD, Main Duct	90±2	2.5±0.5	110±2
		HDPE, 5 Sub-Duct	28±1	2.5±0.5	33±1
	3	HDPE-CD, Main Duct	90±2	2.5±0.5	110±2
		HDPE, 3 Sub-Duct	36±1	3.0±0.5	42±1
	4	HDPE-CD, Empty Main Duct	90±2	2.5±0.5	110±2
	5	HDPE-CD, Main Duct	58±2	2.5±0.5	77±2
		HDPE, 3 Sub-Duct	22.2±1	2.5±0.5	27.2±1
	6	HDPE-CD, Empty Main Duct	58±2	2.5±0.5	77±2
	7	HDPE-CD, Main Duct	90±2	2.5±0.5	110±2
		HDPE, 4 Sub-Duct	32.0±1	3.0±0.5	38±1
2.3	Main duct wall design		Inner and outer walls corrugated (helical or rings) with average pitch dimension of 25.4 ±1 mm for 110 mm HDPE-CD and 23.5 ±0.5mm for 77 mm		
	Trace wire		Type 2, HDPE-CD with 5 sub-ducts, shall have a trace wire of copper with diameter of at least 0,8 mm		



انابيب قنوات دقيقه

MICRO DUCT HDPE



No	Type	Size
1	HDPE Micro Duct 2 Way	12/08 mm
2	HDPE Micro Duct 4 Way Square	20/16 mm
3	HDPE Micro Duct 4 Way Square	25/20 mm
4	HDPE Micro Duct 4 Way Flat	20/16 mm
5	HDPE Micro Duct 7 Way Flat	25/20 mm
6	HDPE Micro Duct 4 Way Flat	20/16 mm

Design Configuration



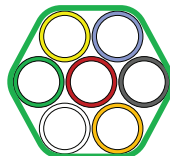
Type 1



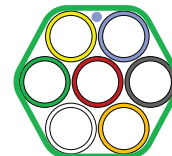
Type 2



Type 3



Type 4



Type 5



Type 6



مصنع شركة محمد بن نهار القحطاني
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رقم الإدارة

19



سياسة الجودة / Quality Policy

Senior management and employees at Mohammed Bin Nahar Al-Qahtani Company's factory recognize their responsibilities and commitments toward achieving a distinguished position by providing exceptional services in the field of plastic industries. This is carried out professionally in accordance with international standards to ensure complete customer satisfaction and meet their needs.

All company employees exert their utmost efforts to enhance work efficiency and fulfill customer desires and expectations by applying the quality management system in line with the international standard ISO 9001:2015.

The management acknowledges its responsibilities toward providing a suitable and safe working environment that aligns with customer requirements and standard specifications by:

- Making customers our primary focus, ensuring their satisfaction, and meeting their expectations and requirements.
- Identifying internal and external issues related to quality systems and analyzing risks that may affect the company and its projects.
- Complying with all laws and regulations related to quality, and implementing the necessary methods and strategies for continuous improvement.
- Believing in the importance of human resources within the company, recognizing their outstanding technical and administrative competencies, and focusing on their continuous training and awareness to apply and maintain the quality system.
- Committing to continuous improvement and sustaining development in all company operations, strengthening the quality management system, and ensuring its implementation through internal audits and corrective actions.
- Reviewing this policy and quality objectives periodically during management review meetings to ensure their continued relevance.

إن الإدارة العليا والموظفين في مصنع شركة محمد بن نهار القحطاني يدركون مسؤولياتهم والتزاماتهم نحو الوصول إلى مكانة مرموقة من خلال تقديم خدمات متميزة في مجال الصناعات البلاستيكية. ويتم ذلك بطرق مهنية وفقاً للمواصفات العالمية لتحقيق الرضا التام للعملاء وتلبية احتياجاتهم

يبدل جميع موظفي الشركة قصارى جهدهم لرفع كفاءة العمل (ISO 9001:2015). وتحقيق رغبات وتوقعات العملاء، وذلك من خلال تطبيق نظام الجودة وفقاً للمواصفة العالمية

تدرك الإدارة مسؤولياتها نحو توفير بيئة عمل مناسبة وآمنة تتماشى مع متطلبات العملاء والمواصفات القياسية من خلال

- جعل العملاء محور اهتمامنا الأساسي، والحرص على إرضائهم وتلبية توقعاتهم ومتطلباتهم
- تحديد القضايا الداخلية والخارجية المتعلقة بأنظمة الجودة وتحليل المخاطر التي قد تؤثر على الشركة ومشاريعها
- الالتزام بجميع القوانين والتشريعات الخاصة بالجودة، وتطبيق الأساليب والاستراتيجيات اللازمة للتحسين المستمر
- الإيمان بأهمية الموارد البشرية في الشركة، بما تملكه من كفاءات وخبرات فنية وإدارية متميزة، والاهتمام بتدريبهم وتوعيتهم المستمرة لتطبيق وصيانة نظام الجودة
- الالتزام بالتحسين المستمر والمحافظة على التطوير في كافة عمليات الشركة، وتعزيز نظام إدارة الجودة وضمان تنفيذه من خلال المراجعات الداخلية واتخاذ الإجراءات التصحيحية
- مراجعة هذه السياسة وأهداف الجودة بشكل دوري خلال اجتماعات مراجعة الإدارة لضمان استمرارية ملاءمتها

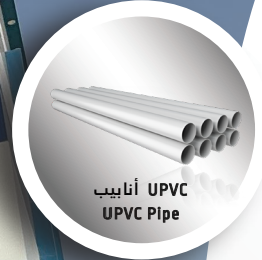


مصنع شركة محمد بن نهار القحطاني

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أنابيب UPVC
UPVC Pipe



وصلات UPVC
UPVC Joints



أنابيب HDPE
HDPE Pipes



ليات الكهرباء
Electric Hose

